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HYDROLOGIC DATA FOR EXPERIMENTAL AGRICULTURAL WATERSHEDS IN THE UNITED STATES, 1971

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ABSTRACT

Burford, James B., Jane L. DeLashmutt, and Ralph T. Roberts. 1980. Hydrologic data for experimental agricultural watersheds in the United States, 1971. U.S. Department of Agriculture, Miscellaneous Publication No. 1383, 509 pp.

Hydrologic data from 145 agricultural watersheds for calendar year 1971 are summarized in this publication. Daily and monthly total precipitation and streamflow together with annual maximum peak discharge and maximum runoff for selected time intervals are included. Watershed descriptive information is presented. Maximum and minimum daily temperatures are given for many of the watersheds. This is the 15th publication in this series.

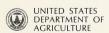
KEYWORDS: Air temperature, hydrology data, hydrology research, precipitation, streamflow, water data, watersheds.

Science and Education Administration
U.S. DEPARTMENT OF AGRICULTURE
In Cooperation With
State Agricultural Experiment Stations

HYDROLOGIC DATA FOR EXPERIMENTAL AGRICULTURAL WATERSHEDS IN THE UNITED STATES, 1971

Compiled by JAMES B. BURFORD JANE L. DELASHMUTT and RALPH T. ROBERTS

Water Data Laboratory Beltsville Agricultural Research Center Beltsville, Maryland 20705





PREFACE

This publication presents basic data on monthly precipitation and runoff; annual maximum discharge and maximum volumes of runoff; daily precipitation and mean daily discharge, with daily air temperature for some areas; and selected runoff events, with associated data on rainfall, land use, and antecedent conditions for agricultural watersheds where research was in progress during 1971. It is a continuation of processing and releasing hydrologic data of general interest collected cooperatively with other agencies.

Throughout the watershed studies the State agricultural experiment stations have collaborated in selecting, planning, and conducting these studies. In several studies the U.S. Geological Survey and State and local agencies, such as State water boards and highway departments of local drainage and conservation districts, have assisted in the work. The classification and correlation of soils and evaluation of other watershed characteristics in the descriptions have been based mostly on field surveys by the U.S. Department of Agriculture's Soil Conservation Service.

These data were collected originally for specific research objectives, which are still in progress or have been attained. In addition, they can serve many other purposes. This publication provides information for other government agencies, university staff members, graduate students, private engineers, and those who need detailed, factual information concerning agricultural watersheds. High-quality hydrologic data such as these have historic value in addition to providing a basis for research and design and evaluation of projects and programs for conservation and development of the Nation's water resources.

Although the data on which this publication is based were collected in 1971 or earlier, the findings are still valid and are used for further research on agricultural watersheds.

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The decimal system of paging is used to index the watershed data. Pages are numbered at the bottom according to location and watershed number, and the data for each watershed are given on one or more pages. For example, page 10.001-1 is location 10 (Watkinsville, Ga.), Watershed 1 (W-1 at Watkinsville), and page 1 of the data for that watershed. For convenience in finding items listed in table 3, pages are also numbered consecutively at the top.

Table 3 is a list of continuing or new watersheds by State, locality, assigned location number, and land resource area, with number of watershed units and selected runoff events reported for 1971 in this publication. Table 4 includes similar data on discontinued watersheds.

Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1971

This is the 15th publication in the series on hydrological data by the Science and Education Administration - Agricultural Research (SEA-AR) (formerly Agricultural Research Service (ARS)). The first three are described in the following section and the others are summarized in table 1. Since the decimal paging system used (see explanation on preceding page) is consistent with that at the bottom of pages in the other 14 publications, previously published records and general descriptions can be readily found and consulted.

This publication contains lected hydrologic data from watersheds for 1971. It includes data on monthly precipitation runoff for all the watersheds: annual maximum discharge and maximum volumes of runoff for intervals of 1, 2, 6, and 12 hours and 1, 2, and 8 days for 135 watersheds; daily precipitation for 145 watersheds; mean daily discharge for 144 watersheds; daily maximum and minimum air temperatures for 18 watersheds; and detailed information on 1 or more selected typical storm events for 122 watersheds.

Information on selected storm events includes (1) tabular data for antecedent rainfall and runoff; (2) data on rainfall intensity and runoff for the event and on accumulated depth of rainfall and runoff; (3) description of watershed conditions at the time of the selected events; and (4) plottings of runoff hydrographs and rainfall histograms.

For newly established watersheds, descriptions of watershed physical characteristics, instrumentation, land management, and recommended area of application of the results are given as well as graphs and maps.

The first 11 publications in this series resulted from the cooperative efforts of several former ARS watershed research projects and the editing staff in Beltsville, Md. Hydrologic data were summarized, arranged according to standardized formats, recorded on preprinted data sheets, and submitted to the editing office for final review, assemblage, and publication.

A computer-oriented system has been designed and developed by the Water Data Laboratory to produce camera copy sheets for these publications. This is the fourth publication that has been compiled using the computerized system. Hydrologic data submitted from research projects, in digital form and recorded by computer, are accepted by the sys-The required data analyses and summaries are performed and the taand plottings are provided within and by the system. Narrative information is incorporated into the system as upper and lower case alphameric data using computer-compatible word-processing equipment. The format of hand-compiled references (4-11) has been retained where practicable in the computer-compiled versions of the publications.

PUBLICATIONS OF EARLIER DATA

Historical hydrologic data on the experimental agricultural watersheds, both terminated and active. have been previously summarized in three looseleaf publications (reprints in bound volumes) by the former Agricultural Research Service. They are described in the following three reference summaries. Beginning with the hydrologic data for 1956 through 1971, the types of data previously published separately in these three references are combined in U.S. Department of Agriculture Miscellaneous Publications 945, 994, 1070. 1164. 1194. 1216. 1226. 1262. 1330, 1370, 1380, and 1383. These 12 publications are listed in table 1 as references 4-15. These reference numbers have been assigned simplify citations to them in this and future publications. The first three looseleaf and the first eight miscellaneous publications have been recorded on 16-mm microfilm. Copies can be made available for the cost of the film processing.

Reference 1.--"Monthly Precipitation and Runoff for Small Agricultural Watersheds in the United States," Soil and Water Conservation Research Branch, 691 pages, 1957. Includes physical descriptions and land use of 334 experimental agricultural watersheds at 60 locations in 27 States from 1923 through 1957. Many of these watersheds were discontinued before 1955.

Reference 2.--"Annual Maximum Flows From Small Agricultural Watersheds in the United States," Soil and Water Conservation Research Division, 330 pages, 1958. Includes records from 322 watersheds at 59 locations in 27 States from 1923 through 1957. Many of these watersheds were discontinued before 1957.

Reference 3.--"Selected Runoff Events for Small Agricultural Watersheds in the United States," Soil and Water Conservation Research Division, 374 pages, 1960. Includes a sampling of 1 to 6 typical runoff events from 68 watersheds at 40 locations in 25 States from 1933 through 1959. The publication has maps of each watershed, information on watershed conditions for each event, including the 30-day antecedent rainfall and runoff, and tabular as well as graphic data on each storm.

Copies of all these publications have been furnished to the Soil Conservation Service and other Federal, State, and local government agencies. They have also been distributed to State agricultural experiment stations, university libraries and engineering departments, private engineers and individuals when requested, and similar foreign institutions and individuals when requested.

Table 2 lists in which of the 15 references data are included for each watershed.

Table 3 summarizes where data for each watershed can be found in this 15th publication.

Table 4 lists the watershed units where studies were discontinued in 1970.

FORM OF DATA PRESENTATION

The data in this publication are presented for each watershed in the following order: (1) Watershed description, if not previously published; (2) monthly precipitation and runoff; (3) average monthly precipitation and runoff for period of record; (4) annual maximum flows; (5) daily temperature extremes for some watersheds, daily precipitation, and (6) selected discharge; events: (7) graphs of selected runoff events: and (8) watershed maps, if not previously published or if revised.

Continuing Watersheds

For current watersheds for which the descriptive information has been

Table 1.--Description of references 4-15 of "Hydrologic Data for Experimental Agricultural Watersheds in the United States"

Daily pre- cipitation, c- discharge, s and/or temperature (maxmin.)	•	•	20	57	57	09	09	62	174	167	150	145
New water- sheds	£5.	5#	13	6	œ	22	Ξ	56	-	5	۲,	-
Selected runoff events	134	133	136	142	143	122	106	174	116	139	113	122
Annual maxi- mum discharge and runoff for selected time intervals	142	145	155	156	163	178	185	204	174	150	139	135
Monthly precipi- tation and runoff	157	160	164	168	163	189	198	216	174	167	153	145
Total	672	96#	244	465	0917	568	399	634	545	602	515	509
Year pub- lished (19)	63	65	89	70	71	72	72	73	92	46	79	80
Miscel- laneous Publi- cation No.	95	η66	1070	1164	1194	1216	1226	1262	1330	1370	1380	1383
For calendar year (19)	56-59	60-61	62	63	179	65	99	29	89	69	70	1.1
Reference	-	5	9	7	8	9	10	11	12	13	14	15

Table 2.--Index to information on experimental agricultural watersheds included in references 1-15 $^{1/}$

Water- shed	Study local		Water- shed	Area in	(19-)	Rev. ref.				Ind	lex in	to re:	in	for	nat:	ion					
ident.	Town St	tate	name-No.	acres 2/	Р	3/E	No.	0.1	0.2	0.3	04	05	06	07	0.8	09	10	11	12	13%	14	1:
																				1		
	Arnot Forest Arnot Forest		W - 1 W - 4	17.9 17.9	4 1 4 1			0 1 0 1	02													
	Cohocton Cohocton	N Y N Y	W-II W-III	13.8 24.2	38 38				02 02													
04002	Freehold Freehold Freehold	N J N J N J	W-II W-II W-III	17.5 32.9 51.8	38 38 38	55		0.1	02 02 02													
05002 05003 05004	College Park College Park College Park College Park College Park	k MD k MD k MD	W - 1 W - 2 W - 3 W - 4 W - 5	8.22 7.44 5.02 5.03 4.07	39 39 39	54 55 55			02													
05007 05008 05009	College Park College Park College Park College Park College Park	K MD K MD K MD	W - 6 W - 7 W - 8 W - 9 W - 10	3.53 3.54 2.43 12.05 3.04	40	62 55 55	06 06	0 1 0 1	02 02													
	Hagerstown Hagerstown	MD MD	W-I W-II	46.3 80.8	38 38			0 1 0 1	02	03												
07001	Auburn	AL	W = I	27.0	45	47		0 1	02													
08002 08003 08004	Vero Beach Vero Beach Vero Beach Vero Beach Vero Beach	FL FL FL FL	W = 1 W = 2 W = 3 W = 4 W = 5	49,915. (a)66,880. (b)12,224. 3,968. (c)20,992.	51 55 55 59 65	73 73	06 06 06		02	03	04	05	06 06	07	0 b 0 8	09 09 09	10	11		13		
09002 09003	Americus Americus Americus Americus	GA GA GA	W - I W - I I W - I I I W - I V	22.8 42.8 32.0 59.2	38 38	43 42 42 43		0 1 0 1	02 02 02 02	03												
10001	Watkinsville	e GA	W - 1	19.2	39		07	0 1	02		04	05	06	07	0.8				12	13	14	1
11002	High Point High Point High Point	N C N C N C	W.F.D.R. M.C. U.R.	21,100. 10,300. 7,230.	23 34 34	4.1		0 1 0 1 0 1	02	03	0 4 0 4 0 4											
	Statesville Statesville	N C N C	C = 8 W = 23		33				02													
13002 13003 13004	Blacksburg Blacksburg Blacksburg Blacksburg Blacksburg	V A V A V A V A	W-II W-III W-IV W-V W-VI	5.44 19.3 3.49 6.08 7.70	39 51 52	67 67 67		01 01 01 01	02 02	03	04	05 05	06 06	07 07	00	09 09 09	10	11				
13007 13008 13009	Blacksburg Blacksburg Blacksburg Blacksburg Blacksburg	V A V A V A V A	T.C. C.C. B.C. P.C. L.W.C.	3,054. 786. 893. 182. 1,471.	57 57 58 58	69	08 08 08					05 05 05	06 06 06	07 07 07	80 80	09	10 10 10	11 11 11	12 12	13	1 4	1:
13013 13014	Blacksburg Blacksburg Blacksburg Blacksburg Blacksburg	V A V A V A V A	F.C.	555. 192. 2,023. 389. 1,058.	59	69 69	08 08 10 08					05 05 05	06 06 06	07 07 07	08 08	09 09	10 10 10	11 11 11	12			
14001 14002 14003	Chatham Chatham Chatham	V A V A V A	W-I W-II W-III	13.3 16.1 17.1	38 38 38	48		0 1 0 1 0 1		03												

Table 2.--Index to information on experimental agricultural watersheds included in references 1-15 $^{\rm L}$ ---Continued

shed	Study lo		shed	Area	Record (19)	ref.					to information reference1/	
ident.	Town	State	name-No.	acres 2/	8 E	No.	01	02	03	04 05	06 07 06 09 10 11 12	13 14 15
15002	Staunton Staunton Staunton	V A V A		390. 2,430. 6,144.	48 55 48 55 48 55		0 1	02 02 02	03	04		
16006	Klingerst	own PA	WE-38	1,773.	68						12	13 14 15
17002	Edwardsvi Edwardsvi Edwardsvi Edwardsvi	lle IL	W - 2	49.95	38 55 38 55 38 42 38 55		01	02 02 02 02				
18002 18003 18004	Elmwood Elmwood Elmwood Elmwood Elmwood Elmwood	IL IL IL	WB-1 WB-2 WB-3 WB-4 WB-5 WB-6	2.28 2.67 2.77 1.93	45 46 45 46 45 46 45 46 45 46 45 46		01 01 01 01 01					
18011	Elmwood Elmwood Elmwood Elmwood Elmwood	IL	WT-1 WT-2 WT-3 WT-4 WT-5 WT-6	1.88 2.40 2.06 2.76	45 46 45 46 45 46 45 46 45 46 45 46		01 01 01 01 01					
19002 19003 19004	Lafayette Lafayette Lafayette Lafayette Lafayette	IN IN IN	W - 1 W - 2 W - 4 W - 5 W - 6	2.23 2.01 2.87	40 53 40 53 40 53 40 53 40 53		0 1					
19007 19008 19009	Lafayette Lafayette Lafayette Lafayette Lafayette	IN	W - 7 W - 8 W - 10 W - 11 W - 12	1.96 2.06 2.05	40 53 40 53 40 53 40 53 40 53		01 01 01 01	02 02				
19012 19013 19014	Lafayette Lafayette Lafayette Lafayette Lafayette	IN IN IN		2.85 3.59 3.24	40 53 40 53 40 53 40 53 40 53		0 1 0 1 0 1 0 1 0 1	02 02 02				
19017 19018 19019	Lafayette Lafayette Lafayette Lafayette Lafayette	IN IN IN	W-33	1.64 1.83 3.44	40 52 40 51 40 51 40 51 40 51		01 01 01 01	02 02 02				
20002 20003 20004	Clarinda Clarinda Clarinda Clarinda Clarinda	IA IA IA	W - V W - W W - X W - Y W - Z	1.97 1.97 3.25	32 42 34 42 34 42 32 42 32 42		0 1 0 1 0 1 0 1 0 1	02 02 02				
21001	Iowa City	IA		1,926.	24	07	01	02	03	04 05	06 07 08 09 10 11 12	
	Shenandoal Shenandoal			128,000. 67,200.			0 1 0 1	02				
23001 23002 23003	East Lans East Lans East Lans	ing MI	В	1.35	41 59 41 59 41 59		0 1 0 1 0 1			0 4 0 4 0 4		
24002 24003	Sethany Bethany Bethany Bethany	MO MO	Pa-A Pa-B Pa-C D-1	5.56 1.97	34 42 32 42 37 42 34 42		01 01 01 01	02				
24007	Bethany Bethany Bethany Bethany	MO MO	D-2 D-3 1-58 IJ-1	4.48	34 42 32 42 33 42 33 42		0 1 0 1	02 02 02 02	03			

Water-	Study lo	cation	Water-	Area	Record (19)			Ιn	dex	to ref									
ident.	Town	State	name-No.	acres 2/		No.	01.00.0	2 0 1											
code				<u> </u>			01 02 0	3 04	05	0.6	07_	08	09	10	11	12	.13	14	15
25001 25002	McCredie McCredie	MO MO	S.R.W. No.2	153. 44.3	41 51 63	07 07	01 02 01 02		05 05			0 в	09	10	11	12	13	14	15
26001 26002	Coshocton Coshocton		102 104		5 37 46 3 37 46	06	01 02 01 02	04	05	06	07	8 0	09	10	1 1	12	13	1 4	15
26004	Coshocton Coshocton Coshocton		129 135 130	2.69	1 38 72 9 38 70 3 38 72	06 06 06	01 02 01 02 01 02	0.4	05 05 05	06	07	08	09	10	11	12	13		15
26007 26008 26009	Coshocton Coshocton Coshocton Coshocton	0 H 0 H	132 134	2.2 0.59	9 38 46 1 38 70 9 48 70 2 38 47	06	01 02 01 02 01 02 01 02	0 4 0 4	05 05	06	07	08	09	10	11	12	13		
	Coshocton	ОН	123	1.31		06	01 02		05									14	15
26013 26014	Coshocton Coshocton Coshocton Coshocton	0 H 0 H 0 H 0 H	115 127 109 103 110	1.65 1.65 0.65	1 39 71 5 49 71 9 38 5 39 71 7 39 71	06 06 06 06	01 02 01 02 01 02 01 02 01 02	04 04 04	05 05 05 05 05	06 06 06	07 07 07	08 08 08	09 09 09	10 10 10	11 11 11	12 12 12	13 13 13	14	15
26017 26018 26019	Coshocton Coshocton Coshocton Coshocton	OH	113 118 111 121 106	1.96 1.18 1.42	39 73 40 73 3 39 71 2 39 71 3 39 72	06 06 06 06	01 02 01 02 01 02 01 02 01 02	04 04 04		06 06 06	07 07 07	80 80	09 09 09	10 10 10	11 11 11	12 12 12	13 13 13	14	15
	Coshocton		188		39 71	06	01 02		05	06	07	8 0	0 9	10	11	12	13		
26023 26024	Coshocton Coshocton Coshocton	O H O H	124 185 187 192	7.40	39 47 39 71 39 71 39 71	06 06 06	01 02 01 02 01 02 01 02	04	05 05 05	06	07	08	09	10	11	12	13		
26027 26028 26029	Coshocton Coshocton Coshocton		172 169 177 183	43.6 29.0 75.6 74.2	39 72 40 71 40 71 38 63	06 06 06	01 02 01 02 01 02 01 02 0	04 04 3 04		06 06 06	07 07 07	8 0 8 0	09	10 10	11	12	13		
26030	Coshocton	ОН	196	303.	37	06	01 02 0	3 04	05	06	07	08	09	10	11	12	13	14	15
26032 26033 26034	Coshocton Coshocton Coshocton Coshocton	O H	10 5 92 94 95	122. 349. 920. 1,520. 2,570.	39 71 40 71 39 71 39 71 39 72	06 06 06 06	01 02 01 02 01 02 01 02 01 02	04 04 04	05 05 05 05	06 06 06	07 07 07	08 08 08	09	10 10 10	11 11 11	12 12 12	13 13 13	14 14 14	15
26036 26037	Coshocton Coshocton		97 994	4,580. 17,500.	37 71 36 71	06 06	01 02 0 01 02		05							12	13	14	
26038 26039 26040	Coshocton Coshocton Coshocton	ОН ОН ОН	174 194 182 166	52.8 187. 69.6 79.2	60 60 64 71	06 06	01 02	04	05	06	07	08	9	10 10	11 11	12	13 13	14	15
27002	Hamilton Hamilton Hamilton Hamilton	0H 0H 0H	W-III	187. 16.2 28.8 20.3	38 44 38 44 38 44 38 44		01 02 0 01 02 01 02 01 02	3											
	Zanesville Zanesville Zanesville	OH	C.W. P.W. W.W.	3.57	34 45 34 45 34 45		01 02 01 02 01 02												
29001	Colby	WI	W - 1	345.	49 66		01 02 0	3 04	05	06	07	08 (9	10					
	Coon Valle			49,400. 49,344.	34 40 34 40		01 02 01 02												
31003	Fennimore Fennimore Fennimore Fennimore	WI WI WI	W - 1 W - 2 W - 3 W - 4	330. 22.8 52.5 171.	38 67 38 67 38 67 38 67	07 07 07 07	01 02 0 01 02 0 01 02 01 02 0	3 04	05	06	07	08 (08 (9	10	11				

Table 2.--Index to information on experimental agricultural watersheds included in references 1-15 1^\prime -Continued

Not	24 11 2 3	001100	Water	Anaa		Rev				Tnd	0 Y	f 0	1-	for	ma+	ier					
SHOU			Water- shed		Record (19)	ref.									mat e1/						
ident.	Town	State	name-No.	acres 2/	B_2/E	No. 4/	0 1	02	03 (04	0.5	0.6	07	0.8	09	10	1.1	12	13	14	15
32003	La Crosse La Crosse La Crosse La Crosse La Crosse	W.T.	U.P.W. U.C.W. C.W. C.W.A. E-3 A-4	2.24 2.7 3.06 1.0	1 33 55 4 33 46 1 37 63 5 52 63 1 33 42 1 33 54	07	01 01 01 01 01	02 02 02 02		04 (
33001 33002 33003 33004 33005 33006	Bentonvil Bentonvil Bentonvil Bentonvil Bentonvil Bentonvil	le AR le AR le AR le AR le AR	W - 1 W - 2 W - 3 W - 4 W - 5 W - 6	9.34	3 38 43 4 38 47 5 38 47 39 47 38 47 3 39 47		01 01 01 01 01	02 02 02 02 (0 3												
34001 34002 34003 34004 34005	Cherokee Cherokee Cherokee Cherokee	O K O K O K	W - 1 W - 2 W - 3 W - 4 W - 5	4.82 8.30 4.35	42 60 42 60 42 60 42 60 42 60 42 60		01 01 01 01	02 02 02	(
34006 34007 34008 34009 34010	Cherokee Cherokee Cherokee Cherokee	OK OK OK OK	W-6 W-7 W-8 W-9 W-10	1.99 4.72 8.50	6 42 60 6 42 60 2 41 60 0 42 60 6 60 67		01 01 01 01	02 02 02 02 (03 (04 04 04 04	05	06	07	08	09	10	11				
34014	Cherokee Cherokee Cherokee Cherokee Cherokee	OK	W = 11 W = 12 W = 13 W = 14 W = 15	1.68 1.99 2.16	60 67 60 67 60 67 60 67 60 67					(05 H	06 06 06	07 07 07	08 08 08	09 09 09 09	10 10 10	11 11 11				
35001 35002 35003 35004 35005	Guthrie Guthrie Guthrie Guthrie Guthrie	OK OK OK OK	W = 1 W = 2 W = 3 W = 4 W = 5	3.21	32 53 31 51 3 30 51 2 31 53 3 31 47		01 01 01 01 01	02 02 02	-												
35006 35007 35008 35009 35010 35011	Guthrie Guthrie Guthrie Guthrie Guthrie Guthrie	OK OK OK OK OK	M – A T M – A M – T A M – T T M – T T M – T T	5.09 9.09 13.4 15.7	37 53 42 55 42 53 42 53 42 53 42 53 42 55		01 01 01 01 01 01	02 02 02 02	03												
	Muskogee Muskogee Muskogee			14.5 65.4 24.9	39 47 39 45 38 47		01 01 01	02													
37001 37002 37003	Stillwater Stillwater Stillwater	r 0K r 0K r 0K	W - 1 W - 3 W - 4	16.7 92. 206.	51 72 51 72 51 72		01 0	02 (3 () 4 (05	06	07	0.8	09	10	11	12		14	15
38001 38002 38003	Garland Garland Garland	T X T X T X	W - I V W - I I I	10.4	38 47 38 47 39 47		0 1 0 0 1 0 0 1	02													
39001 39002 39003 39004 39005	Spur Spur Spur Spur Spur	T X T X	W - 1 W - 2 W - 3 W - 5 W - 6	9.39 11.71 5.81	27 45 27 45 27 44 27 45 27 45		01 0 01 0 01 0 01 0	02 02 02													
39006 39007 39008 39009	Spur	T X T X T X T X	W-11 W-12 W-14 W-15	8.41	30 45 30 45 30 45 30 45		01 (01 (01 (02													
40003	Tyler Tyler Tyler Tyler	T X T X	W - 2 W - 3 W - 4 W - 5	7.94 5.75	32 42 31 42 32 42		01 6 01 6 01 6	02	3												

Water- shed		location	Water- shed	Area	Record (19)	ref.				Ιn	dex			for							-
ident. _code	Town	State	name-No.	acres 2/	B E	No.	0 1	02	03	04	0.5	06	0.7	0.8	09	10	11	12	13	14	15
41001 41002	Vega Vega	T X T X		129. 95.9	38 43 38 43			02	03												
42001 42002 42003 42004	Riesel Riesel Riesel Riesel	T X T X T X T X		42. 579. 1,110. 4,380.	38 43 38 37 38	08 08	01	02 02 02	03	04	05 05 05	06	07	0.8	0.9	10	11	12	13	14	15
42005	Riesel	ΤX		5,860.	37 43		0 1	02													
42006 42007 42008 42009 42010	Riesel Riesel Riesel	TX TX TX TX	W = 2 W = 6 W = 8	176. 130. 42.3 40.4 19.7	37 37 39 38 43	08 08 08	0 1 0 1 0 1	02 02 02 02	03	04	05 05	06 06	07 07	80	09	10	11	12 12	13	14	15 15
42010	Riesel	TX	W - 10 Y	309.	38	08		02			05										
42012 42013 42014 42015	Riesel Riesel Riesel Riesel	TX TX TX TX		132. 79.9 16.3 40.	39 39 39 39	08 08 08	0 1 0 1 0 1	02 02 02 02		04 04 04	05 05 05	06 06 06	07 07 07	8 0 8	09 09	10	11	12 12	13	14	15
	Riesel Riesel Riesel Riesel Riesel	TX TX TX TX	Y-8 Y-10 SW-2 SW-3 SW-5	20.8 18.6 2.7 3.09 3.09	39 38 38 43 39 43 38 43	08 08	0 1 0 1 0 1	02 02 02 02 02			05 05										
42023 42024	Riesel Riesel Riesel Riesel Riesel	TX TX TX TX	SW-6 SW-7 SW-11 SW-12 SW-13	3.15 2.66 2.97		08	0 1 0 1 0 1	02 02 02 02 02		04	05	06	07	08	09	10	11	12		14	
42027 42028 42029	Riesel Riesel Riesel Riesel Riesel	TX TX TX TX	SW-14 SW-16 SW-17 SW-18 Z	3.17 2.99	39 43 37 43 39 38 43 39 43	08	0 1 0 1 0 1	02 02 02 02 02		04	05	06	07	0 8	09	10	11	12	13	1 4	15
42033	Riesel Riesel Riesel Riesel Riesel	TX TX TX TX	P-1 P-2 P-3 P-4 SW-19	.24	38 69 38 69 38 69 38 69	08 08 08					05 05	06 06	07 07	08 08	09 09	10 10 10	11	12 12		14	15
42038 42039	Riesel Riesel Riesel Riesel Riesel	TX TX TX TX	SW-20 Y-13 Y-14 W-12 W-13	3.21 11.3 5.6 9.9 11.3	69 69														13 13	14 14 14 14	15 15
43001 43002	Hays Hays	K S K S	6L AG		34 38 32 47		01	02													
44003 44004	Hasting: Hasting: Hasting: Hasting:	s NE s NE s NE	W - 3 W - 5 W - 8 W - 1 1 1 - H	481. 411. 2,086. 3,490. 3.62	38 67 39 61 39 67 39 67 39 67	06 06 06	01	02 02 02 02 02		04 04 04	05	06 06	07	80	09	10	11				
44008 44009	Hasting Hasting Hasting Hasting	S NE S NE	2-H 3-H 4-H 5-H 6-H		39 67 39 67 39 67	06 06 06 06	01 01 01 01	02 02 02		04 04 04	05 05 05 05	06 06	07 07 07	08 08	09 09 09	10 10 10	11 11 11				
44013 44014	Hasting: Hasting: Hasting: Hasting:	s NE s NE s NE	7-H 8-H 9-H 10-5 11-H	4.15 3.93 3.78 3.98		06 06	0 1 0 1 0 1 0 1 0 1	02			05 05										

Table 2.--Index to information on experimental agricultural watersheds included in references 1-15 1^\prime -Continued

shed	Study locat		Water- shed	Area	Record (19)	ref.	in reference1/
ident.	Town St	ate	name-No.	acres 2/	B E	No.	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
44016	Hastings	NE	12-H	3.66	39 54		01 02
44017	Hastings	NE	13-H	3.41	39 54		01 02
44018	Hastings	NE			39 54		01 02
44019 44020	Hastings Hastings	NE NE			39 54		01 02 01 02
44020	nascings	14 15	10-11	3.7	39 34		01.02
44021	Hastings	NE		3.96	39 54		01 02
	Hastings	N E N E		3.74	39 67	06	01 02
	Hastings Hastings	NE		4.05	41 54		01 02
	Hastings		21-H		41 54		01 02
44026	Hastings	ME	22-H	2 00	41 67	0.6	01 02
44027	Hastings	NE		4.06	41 67	0.0	01 02 06 07 08 09 10 11
44028	Hastings	NE	24-H	4.21	41 54		01 02
44029	Hastings	NE	25-H	2.21	63 67		07 08 09 10 11
45001	Safford	ΑZ	W-I	519.	39 76	07	01 02
45002	Safford	ΑZ	W-II	682.	39 76	08	01 02 03 04 05 06 08 09 10 11
45003	Safford	ΑZ		764.	39 76		01 02 04 05 06 08 09 10 11
45004	Safford	ΑZ	W – V	723.	39 76	07	01 02 04 05 06 07 08 09 10 11
46001	Colorado Spr		W - 1	10.6	38 46		01 02
46002	Colorado Spr		W-2	39.7	38 46		01 02
46003 46004	Colorado Spr Colorado Spr		W-3 W-4	35.4 35.6	38 46 38 46		01 02 01 02 03
40004	COIOFAGO Spr		W-4		30 40		
47001		NM	W-I	246.	39 76		
47002	Albuquerque			40.5	39 76	07 07	
47003	Albuquerque	NM	W-III	176.	39 76	0 /	01 02 04 05 06 07 08 09 10 11 12
48001	Mexican Spr.	NM	W - 1	187.	38 42		01 02
48002	Mexican Spr.	NM	W-2	610.	37 42		01 02 03
48003 48004	Mexican Spr. Mexican Spr.	N M N M	W-3 W-6	1,325. 5,550.	38 42 37 42		01 02 01 02 03
48005	Mexican Spr.			8,495.	38 42		01 02
48006			W - 8	20,910.	37 42		01 02 03
48007	Mexican Spr.	NM	W-10	17,220.	37 42		01 02
48008	Mexican Spr.			46,080.	37 39		01 02 03
48009	Mexican Spr.			2,550.	37 39 37 39		01 02
48010 48011	Mexican Spr.	NM		3,360.	37 39 37 38		01 02 01 02
	Mexican Spr. Mexican Spr.			3,560. 4,740.	37 39		01 02
	-			-			
49001 49002	Santa Fe Santa Fe	N M N M		141.	39 48		01 02 03
49002	Santa Fe Santa Fe	N M N M	W-III W-III	790. 51.6	39 48 39 48		01 02 01 02
50001	Placerville	CA	W - 1	41.	35 44		01 02 03
51001	Santa Paula	CA	W - 1	413.	38 42		01 02
51002	Santa Paula	CA		106.	38 42		01 02
51003 51004	Santa Paula Santa Paula	CA CA		44.4 55.1	38 42 38 42		01 02 01 02
51004	Santa Paula	CA		163.	38 42		01 02
51000					_		
51006 51007	Santa Paula Santa Paula	C A C A	H.B.R. L.A.	735. 1,607.	36 42 34 40		01 02 01 02
51008	Santa Paula	CA	H.P.R.	1,832.	34 43		01 02
51009	Santa Paula	CA	H.A.B.	5,939.	34 37		01 02
52001	Sebastopol	CA	W = 1	83.	36 43		01 02 03
52002	Sebastopol	CA		56.	36 40		01 02 03
53001	W						
33001	Vacaville	CA	W-I	40.	37 42		01 02
54001	Watsonville	CA	W 1	16.8			01 02
54002	Watsonville	CA		18.5	- 0 1		01 02
54003 54004	Watsonville Watsonville	CA		27.4	38 42 38 42		01 02 03 01 02
3.004		UN	7	10.1	30 42		V1 U2

Table 2.--Index to information on experimental agricultural watersheds included in references 1-151/-- Continued

Water-	Study loc	cation	Water- shed	Area	Recc (19-	ord)	Rev.				Ιn					mat e1/		_				
ident.	Town	State		acres 2/	В	E E	ref. No. <u>4</u> /	0.1	0.2	0.3	0.11							11	12	12	1.8	15
											V -				00				16		1.9	13
	Emmett Emmett	ID	W = 1 W = 2	219.4 69.4	38 38				02 02													
56001 56002	Moscow Moscow	ID ID	W - 1 W - 2	146.8 177.9	37 37				02 02													
57001 57002 57003 57004	Newberg Newberg Newberg Newberg	OR OR OR		13.2 21.6 12.8 6.2	38 38 38 38	42 42		0 1 0 1	02 02 02 02	03												
58001	Dayton	WA	W - 1	19.2	39	42		0 1	02													
	Pullman Pullman Pullman		S.F.P.R. M.F.C. F.M.C.	51,900. 17,600. 46,000.	34 34 34	40		0 1	02 02 02													
60001 60002 60003 60004 60005	Pullman Pullman Pullman Pullman Pullman	WA WA WA		68.2 2.33 14.4 15.2 16,700.	3 3 1	38 46 46		0 1 0 1 0 1 0 1 0 1	02	03												
60006 60007 60008	Pullman Pullman Pullman	WA	G.S.8 G.S.9 G.S.10	762. 879. 4,430.	3 4 4 1 4 1	46		0 1	02 02 02													
61001 61002	Monticello Monticello		IA IB	82. 45.5	49 49			0 1 0 1	02	03	0 4 0 4											
62001 62002 62003 62004 62005	Oxford Oxford Oxford Oxford Oxford	MS MS MS MS		1,580. 1,130. 5,530. 22,800. 32,100.	57 57 57 57 57		06 06 06 06			03	04 04 04	05 05 05	06 06 06	07 07 07	08 08 08	09 09 09 09	10 10 10	11 11 11	12 12 12	13 13 13	14 14 14	15 15 15
62009	Oxford Oxford Oxford Oxford Oxford	MS MS MS	W-19 W-24 W-28 W-30 W-32	243. 512. 1,080. 113.	57 57 57 57 57		06 06 06				04 04 04	05 05	0 6 0 6	07	08	09 09	10	11	12	13	14	15
62014	Oxford Oxford Oxford Oxford Oxford	MS MS	W-34 W-35 WC-1 WC-2 WC-3	75,000. 7,550. 3.88 1.45	58	72	06 06 06 06				04 04 04	05 05 05	06 06 06	07 07 07	08 08 08	09 09 09 09	10 10 10	11 11 11				15 15
62018	Oxford Oxford Oxford		WP-4 W-17A W-35A	3.01 3,200. 1,090.	58 57 57	63	06 06 06				04	05 05 05	06	07	08	09	10	11	12	13	14	15 15
63001 63002 63003 63004 63005	Tombstone Tombstone Tombstone Tombstone	AZ	W - 1 W - 2 W - 3 W - 4 W - 5	36,900. 28,100. 2,220. 560. 5,510.	54 54 54 54		07 07 07 07				04 04 04	05 05	06 06 06	07 07 07		09 09 09	10 10	11	12 12	13 13 13	14 14	15 15
63006	Tombstone		W-6	23,500.	62		0 /				0 4	05	0.0		08	09	10		12	13	14	15
63011 63015 63103	Tombstone Tombstone Tombstone Tombstone Tombstone Tombstone	AZ AZ AZ	6307 6308 6311 6315 63103 63111	3,340. 3,830. 2,035. 5,912. 9.1 143.	66 63 65 65 62												10 10 10	11 11	12 12			
64001	Santa Rosa	NM	W - 1	42,880.	55						04	05	06	07	08	09	10		12	13	14	15
65002 65003 65004 65005	Newell Newell Newell	SD	W - 2 W - 3 W - 4 W - 5	115. 90. 105. 46.	58 58 58	61 61					04	05 05				09						

Water- shed	Study loc	ation	Water shed	in	Reco	rd)	Rev. ref.			In	dex	to	in fer	for	mat	ion					
ident.	Town	State	name-1	lo. acres	В 3	E / E	No.	01 0	02 03	04	05	06	07	08	09	10	11	12	13	14	1
	Newell Newell Newell Newell Newell	SD SD SD SD SD	W-7 W-8 W-9 W-10 W-11	160. 160. 815. 280. 160.	58 58 58 58	61 61 61	05			04 04 04	05 05 05 05	06	07	08	09	10	11	12	13	14	15
55012 55013 55014 55015 55016	Newell Newell Newell Newell Newell	SD SD SD SD SD	W-12 W-13 W-14 W-15 W-16	90. 160. 35. 115. 13,000.	58 58 58 58	73 73 73	05 05 05 05			04 04 04	05 05	06 06	07 07	80 80	09	10 10 10	11	12 12	13	14	1
66001 66002 66004 66005	Moorefield Moorefield Moorefield Moorefield	WV	W = 1 W = 2 W = 4 W = 5	10.06	58 58 58 58	67 67	06 06 06 06			04 04	05 05	06 06	07 07	08 08	09 09	10 10 10	11				
57001 57002 57003 57004 57005	N. Danvill N. Danvill N. Danvill N. Danvill N. Danvill	e VT e VT	W-1 W-2 W-3 W-4 W-5	10,610. 146. 2,067. 10,752. 27,469.	58 58 60 60						05 05	06 06	07 07 07	8 0 8			11 11 11	12 12 12	13 13 13 13	14 14 14	1!
58001 58002 58003 58004	Reynolds Reynolds Reynolds Reynolds	ID ID ID ID	W-1 W-2 W-3 W-4	57,700. 8,990. 7,846. 13,453.	63 65 66 67										09 09	10 10 10	11 11 11	12 12 12	13	14 14 14	15 15 15
8011 8012 8013 8014	Reynolds Reynolds Reynolds Reynolds	ID ID ID	W-11 W-12 W-13 W-14	306. 205. 100. 33.	67 67 66 67											10	11 11	12 12	13 13 13	14 14	15
9001	Chickasha Chickasha	OK OK	100 200	2,339,800. (d)2,612,500.	6 1 6 1											10 10					
9004	Chickasha Chickasha	OK OK	400 500	(e) 273,000. 112,910. (d)2,768,000.	61 64							06	07			10 10	11	12	13	14	1 :
9006	Chickasha	OK	600	(e) 43,840. (d)3,011,800. (e) 243,050.	63	71							07	80	09	10	11	12	13	14	
9007	Chickasha	OK	700	(d)3,061,120. (e) 50,830.	61	78						06	07	08	09	10	1 1	12	13	14	15
9010	Chickasha Chickasha Chickasha Chickasha Chickasha	OK OK OK OK	611 612 111 131 411	4,845. 563. 16,640. 25,660. 34,180.	61 61 61 61	74 78 78						06 06 06	07	80 80 80	09 09 09	10 10 10	11	12 12	13 13 13	14 14	15 15 15
9014 9015 9016	Chickasha Chickasha Chickasha Chickasha Chickasha	OK OK OK	511 110 522 512 621	38,020. 25,020. 132,990. 22,530. 21,310.	61 63 63 63	78 73 78						06	07 07 07	80 80 80	09 09 09	10 10 10 10	11 11 11	12 12 12	13 13 13	14 14 14	15 15
9019 9020 9021 9022 9023	Chickasha Chickasha Chickasha Chickasha Chickasha Chickasha Chickasha	OK OK OK OK OK	121 513 514 5141 5142 5143 5144	131,780. 12,314. 7,225. 4,064. 360. 485. 1,456.	63 65 67 67 67	78 78 78 74 74							07	08	09 09	10 10	11 11 11 11 11 11	12 12	13 13	14 14	15
9026 9027 9030	Chickasha Chickasha Chickasha Chickasha Chickasha	O K O K O K	5145 5146 311 C-1 C-2	253. 762. 15,206. 17.8 32.5	67 67 67 65 62	78 78 76										10	11	12	13 13 13	14	15
9034	Chickasha Chickasha Chickasha Chickasha Chickasha	OK OK OK OK	C-3 C-4 C-5 C-6 C-7	44.3 29.9 12.8 13.0 26.5	65	76 76 76 76									09 09	10 10 10 10	11 11 11	12 12 12 12	13 13 13	14 14 14 14	15 15 15

Table 2.--Index to information on experimental agricultural watersheds included in references 1-151/--Continued

Water-	Study loca	ation	Water-	Area		d Rev.			1	Inde											
shed			shed	in) ref.				1	l n	ref	ere	enc	_e 1/.						
ident.	Town	State	name-No.	acres	В				_	- 1:											
code				2/	3/	4/	01 0	2 0	3 (04 ()5	06	07	08	09	10	11	12	13	.14	_1:
69037	Chickasha	ок	c-8	27.3	65 7	6									0.0	10	11	10	1.2	a h	
	Chickasha	OK	R = 1	17.8	62 7													12			
69039	Chickasha	OK		24.1	62 7													12			
	Chickasha	OK		25.8	62 7													12			
	Chickasha	OK		18.1	62 7													12			
69042	Chickasha	ОК	R-5	23.7	66 7	7										10	1 1	12	12	14	1 9
	Chickasha	OK		27.2	66 7													12			
	Chickasha	OK		19.2	66 7													12			
	Chickasha	OK		27.6	66 7													12			
70001	Sonora	тх	W = 14	30,720.	61 7	3											11	12	13	14	1 4
	Sonora	TX	S-9	1,774.	61 7													12			
	Sonora	TX	S=10	5.392.	61 7													12			
	Sonora	TX		10,787.	61 7													12			
	Sonora	TX	S-12	2,801.	61 7													12			
0006	Sonora	TX	S-13	686.	61 7	3											11	12	13	14	1
70007	Sonora	TX	W - 1	10.2	63												11	12	13	14	15
70008	Sonora	TX	W-2	8.6	65												11	12	13	14	15
70009	Sonora	TX	W-3	6.7	65												11	12	13	14	15
70010	Sonora	ΤX	W = 4	4.5	66												11	12	13	1 4	1 !
70011	Sonora	ΤX		7.2	66													12			
70012	Sonora	TΧ	W - 6	6.9	66													12			
70013	Sonora	ΤX	W-7	12.2	65 7	3											11	12	13	14	15
1001	Treynor	IA		74.5	64													12			
	Treynor	IA		82.8	64									08				12		14	
	Treynor	ΙA		107.	64													12			
	Treynor	IA	W = 4	150.	64													12			
71005	Treynor	ΙA	W - 5	389.	63 7	4								08	09	10	1 1	12	13	1 4	15
	Cottonwood	SD	H - 2		63 7													12			
	Cottonwood	SD			63 7													12			
2005	Cottonwood	SD	M – 1	2.35	63 7	3									09	10	11	12	13	14	15
3002	Fort Staunt	ton NM	7302	32.2	66											10					
	Ahoskie	NC	W - A 1	36,480.	64 7													12			
	Ahoskie	NC	W-A2	15,360.	64 7													12			
	Ahoskie	NC	W-A3	2,368.	64 7													12			
75004	Ahoskie	NC	W - A 4	1,664.	64 7	4									09	10	11	12	13	14	15

^{1/} For description of references 1-15, see page 2 and table 1.
2/ (a) area changed from 63,170 acres (1-1-1967).
(b) area changed from 10,050 acres (1-1-1967).
(c) area changed from 22,656 acres (1-1-1967).
(d) = total drainage area.

⁽e) = total study area.

^{3/} B = year (19--) record began; E = year (19--) record ended.
4/ Reference in which additional or revised watershed information has been included.

published in references 1 and 4-15, the tabular data begin at the top of the first page. On each page at the top center is a sequential page number and the decimal paging system is shown at the bottom.

The geographic location associated with each study, usually a city and State, and the local name and number of the watershed are recorded at the top of the first page for each watershed. This identification is followed by detailed information on the geographic location and the size of the watershed.

In the space to the right of the first table title, MONTHLY PRECIPI-TATION AND RUNOFF (inches), the location and watershed number (or designation) are given.

In the table for the current calendar year, the precipitation (P) in inches is given in the monthly columns and the yearly total in the last column, headed annual. In the line below, the corresponding runoff (Q) in inches is similarly given for each month and the total for the year. For some watersheds, data are included for years previous to the current year. Underneath, in two lines, are given the (P) and (Q) station average amounts (STA AV) by months, with average annual total for the period of record.

In the second table, entitled ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS, data are also given for the calendar year listed in the first column. Under the maximum discharge heading, the date column shows the month and day that the instantaneous peak in inches per hour occurred. In computing this rate, corrections were made, where needed, for any significant pondage above the runoff-measuring device. Under the maximum volume heading, the date refers to the month and day on which the interval began; example, if the interval began August 30 at 2359, the entry in the date column would be 8-30. The depths for 1 hour to 8 days are the annual maximum values recorded, without regard to entire clock hours or days; thus, if the 6-hour interval began at 1332, the interval would end exactly 6 hours later at 1932. The volume given is in inches of average depth over the watershed for each of the seven selected time intervals (1, 2, 6, and 12 hours and 1, 2, and 8 days). In the last section of the table, the maximum discharges and depths for the various periods are given under MAXIMUMS FOR PERIOD OF RECORD.

Notes and footnotes below the first two tables include (1) a general statement as to watershed conditions and other physical changes for the period covered; (2) location (publication) where the most recent map may be found; (3) length of precipitation and runoff records; and (4) location of the nearest long-time National Weather Service precipitation station together with the record length.

For some watersheds, tables of daily air temperature (maximum and minimum in degrees Fahrenheit), daily precipitation (inches), and mean daily discharge (cfs) are next, with explanation of the data in footnotes at the end of each table. The multiplier to convert mean daily discharge in cubic feet per second to inches per day is given as the first note to the mean daily discharge table. Cooperating agencies are identified at the bottom of the first page for each watershed just above the index page number.

If no daily tables are given, the tabular data for selected runoff events begin in the remaining space on the first page and are carried forward on continuation sheets (or pages) until completed. In general, the selected runoff events were those in which runoff was produced by a relatively uniform rainfall excess of short duration. The information for each event includes tabulation of (1) antecedent rainfall and runoff that

occurred on the day of the event prior to the beginning of the event; (2) rainfall <u>intensities</u> and <u>accumulated amounts</u> for the event; (3) runoff <u>rates</u> and <u>accumulated amounts</u> for the event; and (4) specific <u>watershed conditions</u> at the time of the event.

Simple graphs of rainfall and runoff rates for all events follow the tabular data. Runoff rates expressed in both cubic feet per second (CFS) and inches per hour (IN/HR) are shown on the graphs. Some very low runoff rates expressed in IN/HR are given in the "E" format, such as 7.25 E-4, which is equal to 0.000725 IN/HR.

Maps follow the graphs unless previously published in references 3-14 or unless shown herein on the map of another watershed.

In the Notes at the bottom of the first page for runoff events, the multiplier to convert runoff rates in cubic feet per second to inches per hour is given. The notes on continuation pages contain the statement on the multiplier and similar explanations of the data on each page.

New Watersheds

For the one watershed installed in recent years and not reported previously (see table 3), the presentation begins with the watershed description in the upper part of the first page. The explanations and definitions on which the description is based are given in the next section.

The first line, centered at the top of the sheet, indicates the project location, which is the nearest city or town, and the number or name of the watershed used locally. The descriptive material is then given under the 12 major topics listed generally down the left side of the sheet: Location, Area, Slopes, Soils, Erosion, Land Capability, Geology, Surface Drainage, Character

of Flow, Instrumentation, Watershed Conditions, and Generally Represents.

After this description, the tabular data are summarized in the first two tables and notes are included as previously described for Continuing Watersheds. The tabular data for daily air temperature, precipitation, and discharge, if presented, precede the tabular data for SELECTED RUNOFF EVENTS. The rest of the material of this series for the particular watershed follows in the same order as previously indicated.

WATERSHED DESCRIPTIONS

The following definitions and explanations were used in describing watershed location, watershed characteristics, instrumentation, land management, and recommended area of application of the hydrologic data.

LOCATION gives county and State, distance and direction of the runoff gaging station from the nearest city or town, and the major river basin in which it lies. When two or more basins are involved, the tributary or subbasin is mentioned first, followed by the major basin.

AREA of watershed is given in acres if less than 640 acres and in both acres and square miles if more than 1 square mile. If areas are revised, additional values are included with notes on date of change.

SLOPES are given in terms of the ranges commonly used in survey work in the locality. The percentages of the watershed lying in each slope class are listed. As an example, 8% is in 0-2% class means that 8 percent of the watershed area has slopes ranging from 0 to 2 percent.

SOILS are described briefly, according to definitions from the U.S. Department of Agriculture "Soil Survey Manual," Agriculture Handbook 18, published in 1951. Soil descriptions are given for the new watersheds. Soil-type name consists of the soil series plus the textural

class, determined primarily by the texture of the upper part of the soil profile.

Soil texture refers to the relative proportions of the various size groups (or separates) of individual soil grains in a mass of soil. Specifically it refers to the proportions of clay, silt, and sand less than 2 mm in diameter. The various classes of texture in order of increasing percentages of the smaller size groups are (1) sand, (2) loamy sand, (3) sandy loam, (4) loam, (5) silt loam, (6) silt, (7) sandy clay loam, (8) clay loam, (9) silty clay loam, (10) sandy clay, (11) silty clay, and (12) clay. In some of the descriptions the broader classification of coarse, moderately coarse, medium, moderately fine, and fine has been used -- the coarse soils are the sands and the fine soils the clavs.

Soil structure refers to the aggregation of primary soil particles into compound particles, or clusters of primary particles, that are separated from adjoining aggregates by surfaces of weakness. Structure grade, or the durability of the aggregates when subjected to disturbance, is described as structureless, weak, moderate, or strong. For some soils the structureless grade is described as massive, if coherent, or single grain, if noncoherent. The size of the aggregates is reported as very fine, fine, coarse, or <u>very coarse</u>. Structure shape is given as being platy, prismatic, columnar, angular blocky, subangular blocky, granular, or crumb.

<u>Permeability</u> is the quality of a soil that enables it to transmit water or air. This quality is indicated by the terms <u>very slow</u>, <u>slow</u>, <u>moderately slow</u>, <u>moderately rapid</u>, rapid, or <u>very rapid</u>.

Internal soil drainage is the quality of a soil that permits the downward flow of excess water through it. Internal drainage is reflected in the frequency and duration of pe-

riods of saturation with water. It is determined by the texture, structure, and other characteristics of the soil profile and of underlying layers and by the height of the water table, either permanent or perched, in relation to the water added to the soil. Internal drainage is described as none, very slow, slow, medium, rapid, or very rapid.

Soils may be grouped into soil drainage classes, based on observations and inferences used to obtain classes of runoff, soil permeability, and internal soil drainage. These classes are given in some soils descriptions to identify internal drainage. They are very poorly drained, poorly drained, imperfectly or somewhat poorly drained, moderately well drained, well drained, somewhat excessively drained, or excessively drained.

EROSION conditions on the watershed are described according to the following classification for water and wind erosion, also briefed from Agriculture Handbook 18. The percentage of the watershed in the following erosion classes is given.

Class 1. -- The soil has a few rills or places with thin A horizons that give evidence of accelerated erosion, but not to an extent to alter greatly the thickness character of the A horizon. Except for soils having very thin A horizons (less than 8 inches), the surface soil consists entirely of A horizon throughout nearly all the delineated areas. Up to about 25 percent of the original A horizon, or original plowed layer in soils with thin A horizons, has been removed from most of the area. This class also includes the areas with no erosion.

Class 2.--The soil has been eroded to the extent that ordinary tillage implements reach through the remaining A horizon or well below the depth of the original plowed layer in soils with thin A horizons. Generally the plowed layer consists of a mixture of the original A horizon and

the underlying horizons. Mapped areas of eroded soil usually have patches in which the plowed layer consists entirely of the original A horizon and others in which it consists entirely of underlying horizons. Shallow gullies may be present. Approximately 25 to 75 percent of the original A horizon or surface soil may have been lost from most of the area.

3.--The soil has Class eroded to the extent that all or practically all the original surface soil, or A horizon, has been removed. The plowed layer consists essentially of materials from the B or other underlying horizons. Patches in which the plowed layer is a mixture of the original A horizon and the B horizon, or other underlying horizons, may be included within mapped areas. Shallow gullies, or a few deep ones, are common in some soil types. More than about 75 percent of the original surface soil, or A horizon, and commonly part or all the B horizon, or other underlying horizons, have been lost from most of the area.

Class 4.--The land has been eroded until it has an intricate pattern of moderately deep or deep gullies. Soil profiles have been destroyed except in small areas between the gullies. Such land is not useful for crops in its present condition. Reclamation for crop production or for improved pasture is difficult, but may be practicable if other characteristics of the soil are favorable and erosion can be controlled.

Class +.--Recent alluvial and colluvial deposition.

LAND CAPABILITY is given as classified by Klingebiel and Montgomery in U.S. Department of Agriculture "Land-Capability Classification," Agriculture Handbook 210, published in 1961. The classification expresses the suitability of land for use without deterioration. The eight land-capability classes are

distinguished according to the risk of land damage or difficulty of land use. Classes I-IV are suitable for cultivation and other uses, whereas classes V-VIII are not suitable for cultivation.

Class I.--Very good land for cultivation; nearly level and productive; not subject to erosion; needs only ordinary good farming methods.

Class II.--Good land for cultivation; mostly gently sloping; not more than moderately subject to erosion; some land may be rather wet; can be farmed safely with easily applied practices.

Class III.--Moderately good land for cultivation; mostly moderately sloping; some areas too wet or too dry; can be farmed safely with practical conservation measures, carefully applied; usually a combination of two or more measures is needed.

Class IV.--Fairly good land, suitable for occasional cultivation; generally strongly sloping; often shallow or very sandy; often found in dry climate.

Class V.--Land very well suited for grazing or forestry; requires good range or woodland management.

Class VI.--Land well suited for grazing or forestry; steeply sloping land, or stony or shallow soil; eroded, droughty, or wet land; requires careful management.

Class VII.--Land fairly well suited for grazing or forestry; severely limited in use by such factors as very steep slope, shallow or droughty soil, wetness, severe erosion, or excessive salinity; requires very careful management.

Class VIII.--Land not suitable for cultivation, grazing, or forestry; may be useful for wildlife, recreation, or protection of water supplies.

WATERSHED GEOLOGY information, when available, for new watersheds is reported here. The parts of each watershed occupied by various geological formations or series are briefly

described, together with strike and dip of the strata, thickness, and relative position, when known. Faults, perched water tables, outcrops, if present, and other details relating to the movement of water within the drainage area or affecting the hydrology of the watershed are described.

SURFACE DRAINAGE refers to the ease with which excess water flows from the watershed area. The length of the principal waterway is the distance from the gaging station to the most remote point on the watershed boundary, measured along the flood plain of the watercourse.

CHARACTER OF FLOW describes the flow of the principal watercourse with respect to permanence and space. The following definitions are from Meinzer's "Outline of Ground-Water Hydrology," U.S. Geological Survey Water-Supply Paper 494, published in 1923.

As to permanence, streams may be divided into perennial, intermittent, and ephemeral streams.

A perennial stream, or stretch of a stream, flows continuously. Perennial streams are generally fed in part by springs, and their upper surfaces usually stand lower than the water table in the localities through which they flow.

<u>Intermittent streams</u> may be divided, with respect to their water source, into spring-fed intermittent streams and surface-fed intermittent streams. They also flow in direct response to precipitation.

A spring-fed intermittent stream, or stretch of a stream, flows only at certain times when it receives water from springs. The intermittent character of streams of this type is generally caused by fluctuations of the water table, whereby the stream channels stand part of the time below and part of the time above the water table. This is the ordinary type of intermittent stream.

A <u>surface-fed</u> <u>intermittent</u>

stream, or stretch of a stream, flows during protracted periods when it receives water from some surface source, generally the gradual and long-continued melting of snow in a mountainous or other cold tributary area. The term may be arbitrarily restricted to streams or stretches of streams that flow continuously during periods of at least 1 month.

An <u>ephemeral stream</u>, or stretch of a stream, flows only in direct response to precipitation. It receives no water from springs and no long-continued supply from melting snow or other surface source. Its stream channel is at all times above the water table. The term may be arbitrarily restricted to streams or stretches of streams that do not flow continuously for as long as 1 month.

With respect to continuity in space, streams may be divided into continuous and interrupted streams. An interrupted stream contains (1) perennial stretches with intervening. intermittent, or ephemeral stretches or (2) intermittent stretches with intervening ephemeral stretches. These two classes of interrupted streams are designated, respectively, perennial interrupted streams intermittent interrupted streams. continuous stream does not have interruptions in space. It may be perennial, intermittent, or ephemeral. but it does not habitually have wet and dry stretches.

INSTRUMENTATION describes the type of runoff control or measuring device, number and type of precipitation gages, type of charts used, and snow courses, if employed.

WATERSHED CONDITIONS describe the general use and farm, forest, or range practices before the period of record and the conservation measures, crops, yields, and general cultural operations and practices during the period of record. Rotation crops are listed in the order grown. Operations are described with commonly used agricultural terms, and only those that appear to have a sig-

nificant relationship to the hydrology of the watershed are mentioned.

GENERALLY REPRESENTS gives the broad area of application for which the data of the specific watershed are recommended. The land resource areas named are those delineated on the map titled "Location of Experimental Agricultural Watersheds of the Science and Education Administration-Agricultural Research." on pages 26 and 27. Solid circles show the approximate locations of the continuing or new watersheds; open circles show approximate locations of the discontinued studies. For a few studies the circles indicate the locations of the project headquarters instead of the watershed locations. A larger index map with more detail is included in reference 4.

For some studies there is an apparent contradiction between the watershed location on the maps and the descriptive information under Generally Represents. This is caused by the small scale of maps; it is difficult to show many small local variations in boundaries of the land resources areas. The descriptive statements, instead of the map location, should be the guide to the application of the data.

STANDARD SYMBOLS FOR TABULAR DATA

The following capital letters have been used as standard symbols throughout this publication to designate specific items or meanings:

Symbol Meaning

or freezing rain.

- E value is estimated or partially estimated.
- H precipitation in form of hail.L precipitation in form of sleet
- M mixed precipitation in form of rain, snow, and sleet.

- N precipitation in form of rain and snow.
- NR when used in place of value, "no record."
- P monthly or annual precipitation in inches.
- Q monthly or annual runoff in inches.
- RG rain gage, generally followed
 by gage number.
- S precipitation in form of snow. STA AV (or AVG) - station average for period of record.
- T trace, indicates that the value is not large enough to round to the lowest significant digit. In some arrays a trace value is indicated by all zeros, with more than one zero located to the right of the decimal.

Time-of-day symbols or designations \underline{a} , \underline{p} , \underline{m} , and \underline{n} used in previous publications through 1961 have been discontinued, and military time (0001 through 2400) has been substituted in publications since then. Unless stated otherwise, time used in tables is eastern, central, mountain, or Pacific standard, whichever applies to the given location.

PERSONNEL RESPONSIBLE FOR DATA PREPARATION

At each research location many individuals have contributed to the planning and establishment of the watershed and the collection, compilation, and analysis of the data. Some of those who were directly responsible for preparing the data and information for this report are—

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ADDITIONAL PUBLICATIONS BY LOCATION

In references 1 and 4-14 (see pp. 2 and 3), citations to other publications, which present watershed data and interpretations of results in various journals, bulletins, and periodicals, are given at the end of the introduction for many of the locations. Following is a listing, by location number, of additional publications that have resulted from related work through 1971. Several publications pertaining to overall program of hydrology that could not be tied to a specific location are listed at the end under eneral References.

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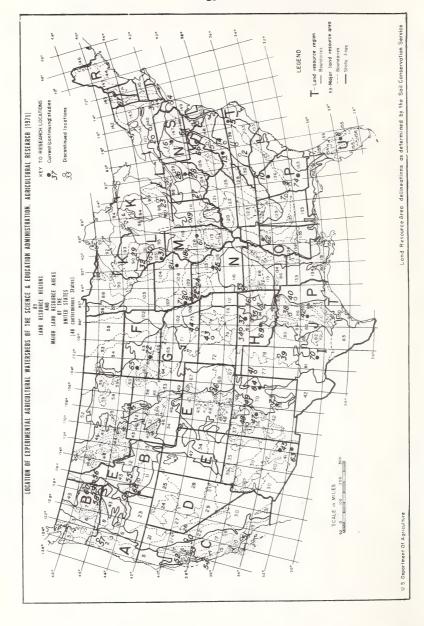
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UNITED STATES INDEX MAP AND RELATED DATA

[Pages 26 through 28]

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Table 3.--Experimental agricultural watersheds, listed by State, locality, and location number, under study during 1971 and included in this publication

State	Locality	Assigned location number	Major land resource areal/	Watershed units	Events reported	Pages
Arizona	Tombstone	63	D-41	8	14	238-272
Florida	Vero Beach	08	U-55	2/3	0	30-42
Georgia	Watkinsville	10	P = 136	1	2	43-46
Idaho	Reynolds	68	D-23, D-25	8	6	310-340
Iowa	Treynor	71	M-107	5	5	469-490
Mississippi.	Oxford	62	P-133, P-134	12	12	194-237
Missouri	McCredie	25	M-113	1	0	67-68
New Mexico	Santa Rosa	64	G-70	1	1	273-275
North Caroli	na Ahoskie	75	P-133	4	4	497-509
Ohio	Coshocton	26	N=124	3/10	9	69-98
Oklahoma	Chickasha Stillwater		H-78, H-80, J-84 H-80	4/33 3	17 3	341-426 99-108
Pennsylvania	Klingerstown.	16	S-147	1	1	64-66
South Dakota	Newell		G-58, G-59, G-60 G-60	7 3	0	276-289 491-496
Texas	Riesel (Waco).		J-86 I-81	22 13	22 13	109-193 427-468
Vermont	North Danville	67	R-144	5	8	290-309
Virginia	Blacksburg	13	N-128, N-130, P-136, S-148	5	5	47-63

 $[\]frac{1}{2}$ See location map (p. 26) and legend (p. 27).

Table 4.-- Watersheds, listed by State and locality, for which data were previously included but are not in this publication 1/

State	Locality	Major land resource area 2/	Discontinued watershed units			
			Number	Record period (19)	Assigned location and watershed number	
rioN-124		1	37-71	26.036		
			1	38-72	26.005	
			4	39-71	26.023,-031,-033,-034	
			1	41-71	26.024	
			1	40-71	26.032	
			1	64-71	26.040	
klahoma	Chickasha	H-80, H-78, J-78	1	63-71	69.006	

^{1/} For discontinued watershed studies prior to 1970, see tables in previous publications. 2/ See location map (p. 26) and legend (p. 27).

^{1/} See location map (p. 26) and legend (p. 27).
2/ Includes data for one new Matershed W-5 (08005), Vero Beach, FLa.
3/ 9 watersheds (Coshocton, Ohio) included in the 1970 publication (reference No. 14) are
not included in this publication. Records terminated during 1971, either temporary or permanent.
4/ One watershed for Chickasha, Okla. (69006) included in the 1970
publication (reference #14) is not included in this publication. Records were terminated.

WATERSHED DATA BY LOCATION NUMBER AND DECIMAL PAGING

[8.002-1 TO 75.004-3, A TOTAL OF 480 DATA SHEETS] For location by States and Land Resource Areas and Regions, see U.S. Index Map, page 26.

VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-2

LOCATION: Okeechobee County, Florida. Runoff gaging site is about 3 mi. N. of City of Okeechobee on Cemetery Road. Taylor Creek empties into Lake Okeechobee.

AREA: 66880.00 acres 104.50 sq. miles

1 8	OFTHL	Y PRECIPI	TATION	AND RUNOI	F (inch	es)		V BRO	BEACH,	FLORIDA	(TAYLOR	CREEK)	WATERSH	ED W-2
1		Jan	Peb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.09 0.135	3.53 0.221	1.25 0.147	0.39 0.048	5.50 0.103	11.67 2.852	6.91 2.558	6.18 2.377	5.85 4.022	-5.13 1.006	0.74 0.406	1.63 0.207	48.88 14.082
STA AV	PQ	1.93 0.531	2.49 0.480	3.34 1.145	1.91 0.194	4.46 0.378	8.72 2.274	6.47 2.103	6.66 2.145	6.35 2.756	4.40 2.153	1-25 2-115	1.51 0.219	49.50 16.493

NOTES: Watershed conditions: 1971: Range & forest, 41%; improved pasture, 45%; cropland, 45%; miscellaneous, 10%. For revised map of watershed, see p. 08.002-3. Precipitation Thiessem weighted using 7 gages. Area changed from 98.7 gg, miles (Jan. 1, 1967). Precipitation and rumoff records began vuly 1955. Bunoff data furnished by U.S. Geological Survey. For long-time precipitation and rumoff stational Vactor Services and the services of the s

Day	Jan max mi		Fe max		Ha Baz		Ap max		Ea max	y min	Ju		Ju		Au		Se		ос		No		De	
		37												73	89			77				71		
2		56	75 73	45	88	60	77 80	65	90	73 56	88	67	90	74	91	73	88	73	93	71	89 79	68	82 78	6
3		59	79	47	88	39	76	63	89	49	89	69	89	71	94	72	88	72	93	69	89	64	73	-
3		57	79	56	62	37	74	63	83	42	88	70	92	70	91	73	90	73	93	69	78	63	68	
5		51	84	64	75	46	82	61	87	51	90	63	90	72	88	69	90	73	91	72	80	67	78	ě
6	84 6	53	81	65	82	64	78	47	90	58	85	69	88	72	91	71	88	72	93	70	84	64	83	6
7	71 €	53	89	72	76	38	67	40	95	59	89	67	89	72	95	75	87	72	92	69	86	63	86	
8	84 6	53	77	38	64	37	77	44	93	67	90	68	88	75	94	74	86	72	90	71	83	62	88	6
9		51	58	33	70	45	79	47	94	66	91	65	88	74	90	70	78	70	91	75	81	61	85	6
10	85 €	52	57	39	80	55	81	53	96	65	90	68	89	73	89	69	83	71	85	64	74	50	86	
11		50	69	45	83	56	78	56	95	69	92	67	89	72	90	74	89	74	76	77	77	48	83	
12		545	79	57	85	60	81	46	93	69	90	69	93	71	87	73	87	71	88	70	80	52	84	4
13		51	68	35	85	67	84	47	92	68	91	72	95	74	77	73	88	74	88	70	80	57	84	
14		19	61	29	88	62	86	59	89	69	95	75	93	73	85	75	85	69	90	71	80	61	80	- 0
15	81 4	16	73	41	91	65	85	57	86	70	95	72	92	74	85	76	90	69	93	70	81	66	84	4
16		38	79	43	82	50	86	51	89	67	94	69	93	73	91	72	90	70	91	70	83	58	86	
17		53	83	53	77	43	88	68	88	62	95	72	94	72	91	73	93	72	89	71	82	57	85	- 8
18		50	78	58	76	55	88	59	87	58	95	71	95	75	90	75	94	70	83	68	83	58	71	
19		26	81	55	84	53	91	56	89	58	92	73	94	73	88	75	93	69	85	67	84	57	76	
20	52 2	27	83	55	68	33	88	60	91	65	93	72	94	72	91	75	90	68	85	68	83	56	83	
21		84	86	69	73	50	91	63	89	62	95	71	93	72	91	74	90	70	86	68	74	46	84	
22		57	88	60	81	48	92	62	88	59	92	72	92	72	93	73	89	71	86	65	73	52	79	6
23		59	76	54	84	62	94	72	85	61	89	73	91	70	95	72	88	72	89	66	79	62	76	6
24		50	81	58	82	56	91	73	87	66	91	72	90	71	93	73	90	72	90	64	8.5	59	79	
25	84 €	51	86	62	86	63	91	64	89	65	91	70	93	71	91	74	90	69	85	61	74	49	80	
26		13	87	69	86	42	93	71	91	63	90	72	93	72	93	73	89	68	83	60	78	55	82	-
27		29	87	63	72	43	92	68	91	62	93	72	92	74	94	74	89	69	85	63	82	53	85	3
28		33	87	62	80	50	96	63	92	66	89	71	90	72	92	74	90	69	84	65	81	69	84	- 5
29		37			83	55	95	67	90	59	89	72	89	73	91	74	89	67	84	69	78	65	83	5
30 31		57 58			70 75	41	97	72	87 89	57 59	89	71	90	73	89 89	73 74	92	70	87 87	68	82	57	82 84	-
v	77 5	51	78	5.2	70	51		59	90	62	01	70	91	73	90	73	90	71	9.0	68	81	59	81	
BAN	63-9		65			. 4	72		75			-4		.0		-7		-8		3		- 9		0.5
TA AV	70 4		74			55		61		66		71		74		74		73		66		56	74	

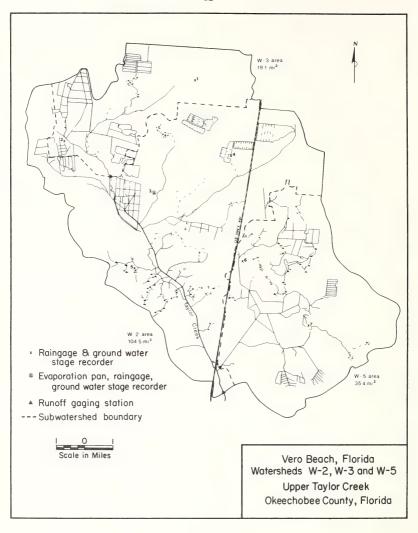
NOTES: Temperature data from B-3, readings taken daily. STA AV period from July 1, 1956 through 1971.

1971		DAILY PREC	PITATION	(inches)			AEBO BEY	CH, FLORII	A (TAYLO	CREEK)	WATERSHE	D W-2
Da y	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.04	0.0	0.34	0.00	0.39	0_0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0 = 0 0 = 03	0.0 0.02	0.0	1.08 0.12	0.0	0.04	0 = 0 0 = 57
3	0.0	0.0	0.0	000	0.0	0.03	0.02	1.02	0.12	0.0	0.02	0.0
5	0_0	0.0	0.0	0.03	0.0	0.0	0.32	0.22	0.14	0.37	0-54	0.0
6	00	0-62	0.0	0.0	0.0	0.02	0.41	0.0	0.90	0.07	0.0	0.0
7	0.0	0.0	0.31	0.0	0.0	0.06	0.02	0.0	0.01	0.68	0.0	0.0
8	0.0	0.61	0_0	0.0	0.0	1.21	0.24	0.0	0.03	0.40	0.02	0.0
10	0_0	0.0	0.0	0.0	0.0	0.97	1.37 0.01	0.03	0.34	0.62 0.51	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.22	0.05	0.51	0.00	0.0
11	00	0.0	0.0	0.0	0.66	2.19	0.0	0.05	0.15	0.19	0.0	0.0
12	0.0	0.0	0.0	00	0.0	064	0.0	0.02	1.75	0-22	0.0	0.0
13	00	0.01	0.14	0.0	0.19	0.12	0.0	1. 17	0.52	0_00	0.0	0.0
14	00	0.0	0.13	00	0.71	00	0.21	034	0.11	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	1.99	0.0	0.09	0.21	0.0	0.05	0.0	0.0
16	0.0	0.0	0.13	0.0	0.46	0.02	0.15	0.18	0.0	0.12	0_0	0.0
17	0.0	0.0	0.0	0.0	0.01	2.39	0.28	0.0	0.05	0-46	0_0	0_0
18	0.03	0.0	0.0	0.0	0.0	0.60	0.0	0.31	0.01	0.23	0_0	0.0
19 20	0.06	0.0	0.0	0.0	0.0	0.12	0.0	0.66	0.0	0.15	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.14	0.0	0.01	0.0	0.0
21	00	0.0	0.0	00	0.0	0.09	0.05	0.01	0.0	0.0	0_0	0.0
22	0.0	0.03	0.0	0.0	0.0	0.36	0.51	0.0	0.03	0.18	0_0	0.86
23	0.0	2.16	0.0	0.0	0.0	0.37	0.30	0.14	0.09	0.00	0.0	0.09
24 25	0.0	0.0	0.0	0.05	0.0	0.34	0.00	0.20	0.04	0.0	0.0	0.11
25	0.0	0.10	0.0	0. 12	0.0	0.09	0.0	0.32	0.01	0.0	0.0	0.0
26	0.0	0.0	0.21	0.0	0.0	0.0	0.19	0.0	0.0	00	0.0	0.0
27	0.0	0_0	0.0	0.02	0.0	0_0	0.17	0.20	0.00	0.0	0_0	0.0
28	0.0	0.0	0.0	0.0	1.45	0.54	0.32	0.02	0.01	0.29	0_0	0.0
29	0.0		0.0	0.0	0.0	0.07	1.25	0.01	0.01	0.05	0.07	0_0
30 31	0-0		0.32	0.0	0.0	0.05	0.01	0.53 0.18	0.01	0-11	0.0	0.0
31	0_0		11.0		0.0		0.0	U. 18		0_42		0.0
OTAL	0.09	3.53	1.25	0.39	5.50	11.67	6.91	6.18	5.85	5.13	0.74	1.63
TA AV	1.93	2,49	3.34	1.91	4.46	8.72	6.47	6.66	6.35	4-40	1.25	1.51

NOTES: Thiessen weighted rainfall, using 7 rain gages. STA AV based on period July 1, 1955 through 1971.

197	t B	EAN DAILY	DISCHARG	E (cfs)			VERO BEA	CH, PLORII	A (TAYLO)	CREEK)	WATERSHED	W-2
Day	Jan	Feb	Har					Aug 229-0		0ct	Nov	Dec
1	13.0	10.0	21.0	6.7	1, 9	8.6	140.0	229.0	231.0	22.0	60.0	14.0
2	14.0	11.0	20.0	6.1	1.9	6.9	209-0	129_0	481.0	20.0	53_0	15.0
3	14.0	12.0	17.0	6.1	1.7	6-4	134_0	78.0	912-0	18.0	51.0	18.0
£Į.	13.0	12.0	16_0	6.7	1.7	6.2	83.0	75.0	564.0	18.0	42.0	23.0
5	18.0	12.0	16.0	7.9	1.7	5.8	82.0	271.0	597.0	18.0	41.0	21.0
6	12.0	14.0	18.0	7.3	1.9	4.3	95.0	253.0	622.0	20.0	158.0	20.0
7	12.0	16.0	18.0	6.1	1.9	5.2	200.0	148.0	814.0	22.0	117.0	19.0
8	13.0	20_0	20_0	5.4	1.9	7.9	176.0	93.0	497.0	60.0	75.0	19.0
9	13.0	19.0	15.0	4.9	1.9	23.0	285.0	70.0	344.0	53.0	50.0	18.0
10	13.0	15.0	13.0	4-6	1.9	88.0	1060.0	56.0	437.0	176.0	38.0	18.0
11	13.0	13.0	13.0	4.1	1.9	85.0	580.0	50.0	289.0	272.0	31.0	18.0
12	12.0	12.0	12.0	4.0	1.9	574.0	287.0	47_0	465.0	284.0	31.0	17.0
13	12.0	12.0	11.0	4.3	1.7	563.0	161.0	74.0	845.0	277.0	29.0	17.0
14	12.0	12.0	12.0	4.3	3.9	401.0	100.0	291.0	761.0	134.0	22.0	18.0
15	11.0	12.0	13.0	4.6	10.0	126.0	111.0	335.0	940.0	91.0	20.0	17.0
16	10.0	12.0	13.0	5.0	83.0	68.0	101.0	271.0	546.0	74.0	19.0	16.0
17	10.0	14.0	150	5.5	40.0	82.0	131.0	286.0	336.0	67.0	19.0	16.0
18	11.0	15.0	11.0	5.5	20.0	854.0	141.0	231.0	244_0	105.0	19.0	15.0
19	11.0	15.0	10_0	4.6	12.0	906.0	106_0	377.0	172.0	153.0	19.0	14.0
20	9.5	13.0	8.7	3.9	11.0	563.0	73.0	531.0	103.0	129.0	18.0	14.0
21	8.9	13.0	7.3	3.2	8.1	199.0	115.0	370.0	107.0	117.0	17.0	14.0
22	9.8	14-0	7.9	2.7	7.5	131.0	83.0	242.0	74.0	99.0	20.0	15.0
23	11.0	81.0	8.7	2.3	5.8	157.0	184.0	157_0	41.0	81.0	16.0	25.0
24	11.0	94-0	9.6	1.9	4.3	338.0	261.0	147_0	52.0	65.0	16.0	26.0
25	10.0	38.0	9.6	1.8	4.3	447.0	169.0	203.0	46.0	56.0	16.0	21.0
26	13.0	33.0	9.2	1.7	6.0	764_0	96.0	262.0	39.0	39.0	15.0	18.0
27	11.0	24.0	11-0	1.7	5.0	478.0	108_0	188_0	34.0	36.0	17.0	17.0
28	8.7	19.0	9.4	1-7	9.5	235.0	130.0	281_0	32.0	36.0	15.0	19.0
29	9-0		7.6	1.9		245_0	201.0	154.0	27.0	42.0	16.0	18.0
30 31	9.7		9.0	1.7	2.2	191.0	752.0	144_0	23.0	42.0	18.0	15.0
31	10.0		8_ 2		12.0		436.0	265.0		43.0		14.0
EAN	11.57	20.96	12.59	4.27		252.31	219.03	203.48	355.83	86.10	35.93	17.7
NCHES	0.135	0.221	0_147	0.048			2.558	2.377		1.006	0.406	0.20
VA AT	0.531	0.480	1.145	0.194	0.378	2.274	2.103	2.145	2.756	2.153	2.115	0.219

NOTES: To convert meam daily discharge in CFS to IM/DMY, multiply by .00035589. bischarge is combined flow from Williamson Ditch and S-1 structure. Eumoff data furmished by the U.S. Geological Survey. Discharge measurements generally made once a veck.



VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-3

LOCATION: Okeechobee County, Florida. Eunoff gaging site is approximately 11 mi. (airline) N-NW of City of Okeechobee on State Road 468. Northern reach of Taylor Creek Watershed.

ARBA: 12224.00 acres 19.10 sq. miles

[HOBTHL	Y PRECIP	TATION	AND BUNO	F (inch	es)		VERO	BEACH,	PLORIDA	(TAYLOR	CREEK)	WATERSHED	₩-3
		Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	How	Dec	Annual
1971	P	0.05	5.19	1.17	0.67	5.59	10.75	6.72	7.33	5.27	7.08	0.36	1.33	51.51
	Q	0.067	0.295	0.165	0.044	0.055	2.815	1.731	3.872	4.422	2.116	0.505	0.237	16.321
STA A	V P	1.81	2.48	3.31	2.24	4.46	7.85	6.74	6.56	5.91	4.34	1.12	1.45	48.28
	Q	0.473	0.345	1.073	0.179	0.276	1.687	1.881	2.112	2.638	1.915	1.188	0.151	13.917

NOTES: Watershed conditions: 1971: Improved pasture, 55%; range 6 forest, 34%; cropland, 1%; miscellaneous, 10%. For revised map of watershed, see p. 08.002-3. Area changed from 15.7 ag. miles (beginning of record to Dec. 31, 1966) to 191. ag. miles (Dan 1, 1967). Preclipitation and runoff records began July 1955. Precipitation Thiesee weighted using 3 ages. Bunoff data furnished by U.S. Geological Survey. For long-time precipitation records, see Wational Weather Service records at Okeechobe uluricane Gate 6, Florida.

1971	D	AILY PREC	IPITATION	(inches)			VERO BEAG	CH, FLORE	OA (TAYLO	R CREEK)	WATERSHE	D W-3
Day	Jan	Peb	Mar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.02	0.0	0.20	0.02	0.29	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.0	0.06	0.0
3	0.0	0.0	0.0	0.00	0.0	0.04	0.07	0.0	0.0	0.0	0.02	0.73
4	0.0	0.0	0.0	0.22	0.0	0.03	0.19	1.54	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.00	0.0	0.0	0.14	0.31	0.03	0.41	0.02	0.0
6	0.0	0.05	0.0	0.0	0.0	0.0	0.64	0.0	1.10	0.01	0.0	0.0
7	0.0	0.0	0.20	0.0	0.0	0.13	0.0	0.0	0.00	1.32	0.0	0.0
8	0.0	0.79	0.0	0.0	0.0	2.15	0.33	0.0	0.01	0.05	0.04	0.0
9	0.0	0.0	0.0	0.0	0.0	0.40	0.72	0.03	0.29	0.85	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.83	0.03	0.48	0.07	0.60	0.12	0.0
11	0.0	0.0	0.0	0.0	0.25	2.55	0.0	0.18	0.0	0.23	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.01	1.36	0.46	0.0	0.0
13	0.0	0.04	0.10	0.0	0.12	0.0	0.0	1.03	0.89	0.00	0.0	0.0
14	0.0	0.0	0.06	0.0	0.28	0.0	0.11	0.37	0.17	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	2.15	0.0	0.01	0.25	0.0	0.15	0.0	0.0
16	0.0	0.0	0.12	0.0	0.51	0.00	0.27	0.50	0.0	0.00	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	1.61	0.75	0.0	0.19	0.93	0.0	0.0
18	0.02	0.0	0.0	0.0	0.0	0.11	0.0	0.08	0.06	0.40	0.0	0.0
19	0.03	0.0	0.0	0.0	0.0	0.12	0.0	0.59	0.0	0.21	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.44	0.31	0.0	0.02	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.35	0.00	0.04	0.0	0.0	0.0	0.0
22	0.0	0.00	0.0	0.0	0.0	0.14	0.27	0.0	0.0	0.06	0.0	0.31
23	0.0	4.25	0.0	0.0	0.0	0.02	0.33	0.0	0.11	0.00	0.0	0.06
24	0.0	0.0	0.0	0.00	0.0	0.05	0.0	0.59	0.04	0.0	0.0	0.22
25	0.0	0.06	0.0	0.39	0.0	1.43	0.0	0.08	0.0	0.0	0.0	0.0
26	0.0	0.0	0.21	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.06	0.0	0.0	0.52	0.02	0.01	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	2.24	0.13	0.06	0.08	0.01	0.12	0.0	0.0
29	0.0		0.0	0.0	0.0	0.03	1.41	0.01	0.01	0.07	0.10	0.0
30	0.0		0.49	0.0	0.0	0.11	0.03	0.55	0.0	0.13	0.0	0.0
31	00		0.0		0.0		0.0	0.27		1.04		0.0
TAL	0.05	5.19	1.17	0.67	5.59	10.75	6.72	7.33	5.27	7.08	0.36	1.33
VA AT	1.81	2.48	3.31	2.24	4.46	7.85	6.74	6.56	5.91	4.34	1.12	1.45

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-2, p. 08.002-1. Thiessen weighted average of 3 rain gages. STA AV based on period July 1, 1955 through 1971.

197	1	MEAN DAILY	DISCHARG					CH, PLOBI	DA (TAYLO	B CREEK)	WATERSHEI	¥-3
Da y	Jan	Peb	Mar	Apr	Hay	Jun	Jul	λug	Sep	0ct	Bov	Dec
1	0.70	0.90	3.80	1.40	0.0	0.70	19.00	57.00	33.00	7.80	13.00	3.40
2	0.70	2.80	3.60	1.20	0.0	0.60	19.00	38.00	69.00	7.20	19.00	3.6
3	0.70	1.80	3.60	1.00	0.0	0.60	11.00	25.00	111.00	6.70	16.00	4.8
4	0.60	1.80	3.00 2.80	1.20	0.0	0.50	9.00	18.00	60.00	6.50	14-00	7.9
5	0.60	1.60	2.80	1.60	0.0	0.30	9.00	54.00	42.00	4.60	12.00	4.8
6	0.60	1.80	3.00	1.00	0.0	0.30	13.00	69.00	48.00	7.50	11.00	4.1
7	1.00	1.80	3.20	0.80	0.0	0.20	25.00	51.00	118.00	12.00	9.30	3.4
8	0.50	2.40	3.00	0.60	0.0	0.30	17.00	37.00	67.00	18.00	8.20	3.2
9	0.40	3.00	2.80	0.60	0.0	10.00	25.00	29.00	51.00	19.00	7.50	3.0
10	0.30	2.20	2.60	0.60	0.0	5.90	46.00	23.00	53.00	68.00	7.20	3.0
11	0.40	1.80	2.80	0.60	0.0	64.00	26.00	20.00	44.00	93.00	7.00	2.8
12	0.50	1.80	2.60	0.60	0.0	186.00	17.00	18.00	57.00	121.00	5.90	2.8
13	0.60	1.80	2.60	0.80	0.0	113.00	12.00	24.00	245.00	114.00	5.40	2.8
14	0.80	1.60	2.60	0.60	0.0	44.00	9.00	53.00	291.00	50.00	5.10	4.1
15	0.80	1.80	2.40	0.60	2.40	24.00	8.00	70.00	134.00	30.00	5.40	3.4
16	0.80	1.80	2.60	0.60	6.60	15.00	10.00	78.00	86.00	25.00	5.90	3.2
17	1.00	1.80	2.40	0.40	3.00	81.00	22.00	96.00	60.00	20.00	5.40	2.6
18	1.80	2.20	1.80	0.40	1.20	153.00	31.00	66.00	50.00	30.00	5.60	2.0
19	1.80	2.20	1.80	0.30	0.80	43.00	14.00	81.00	46.00	47.00	5.40	3.0
20	1.40	2.20	1.60	0.30	0.60	25.00	13.00	106.00	38.00	40.00	4.80	2.8
21	1.40	2.00	1.40	0.30	0.60	17.00	18.00	93.00	30.00	33.00	4.80	3.0
22	1.40	2.00	1.60	0.40	0.50	18.00	11.00	80.00	24.00	25.00	4.30	2.8
23	1.40	38.00	1.60	0.40	0-40	17.00	15.00	59.00	20.00	20.00	3.80	3.4
24	1.40	22.00	1.60	0.30	0.60	13.00	35.00	44.00	18.00	16.00	3.60	3.4
25	1.40	7.20	1.20	0.40	0.20	62.00	18.00	98.00	16.00	12.00	3.40	3.0
26	1-40	5.40	1.20	0.50	0.10	162.00	13.00	82.00	14.00	7.30	4.60	2.4
27	1.20	4.60	1.20	0.40	0.10	59.00	12.00	48.00	12.00	12.00	4-10	2.4
28	0.90	4.10	1.00	0.20	0.20	31.00	12.00	36.00	11.00	9.70	3.80	2-4
29	0.60		0.80	0.20	3.00	25.00	40.00	29.00	10.00	10.00	4.10	2.4
30	0.60		1_40	0.10	1. 80	17-00	116.00	25.00	9.00	10.00	3.60	2.2
31	0.60		2.00		1.00		86.00	28.00		11.00		1.8
BAN	0.913	4.443	2.245	0.613	0.745	39.613	23.581	52.742	62.233	28.816	7.107	3.2
SCHES	0.067	0.295	0.165	0.044	0.055	2.815	1.731	3.872	4.422	2,116	0.505	0.2
EN WA	0.473	0.345	1.073	0.179	0.276	1.687	1.881	2.112	2.638	1.915	1.188	0.1

NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by .00194712. Runoff data furnished by U.S. Geological Survey.

VERO BEACH, FLORIDA (VILLIAMSON DITCH) WATERSHED W-5

LOCATION: Okeechobee County, Plorida; 125 feet upstream from control structure 7, 450 feet upstream from confluence with Taylor Creek, 3.6 miles north of town of Okeechobee, Plorida.

AREA: 22656.00 acres 35.40 sq. miles

SLOPES: Slope-Percent 0-2 Percent of area 100.0

SOILS: Predominantly fine sand surface which is very friable and has above average infiltration rates and little surface runoff until it becomes saturated. Generally underlain at varying depths by organic hardpan or clay or marl layers of variable thickness and hardness.

EROSION: Brosion Class + 1 2 3 4 5 Percent of Area 0.0 100.0 0.0 0.0 0.0 0.0

LAWD CAPABILITY: Class I II III IV V VI VII VIII VIII Percent of Area 0.0 3.0 9.0 88.0 0.0 0.0 0.0 0.0 0.0

GEOLOGY: See Eydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Hisc. Pub. 1070, p. 08.2-1.

SURFACE DRAINAGE: Fair to poor.

CHARACTER OF PLOW: Perennial flow.

INSTRUMENTATION: Daily stage and runoff data provided by U.S. Geological Survey. Precipitation: Two recording rain gages.

WATERSHED CONDITIONS: Vegetative Cover: Improved pasture - 60 percent; unimproved pasture and range with little timber - 15 percent; woodland - 10 percent; citrus - 5 percent; urban, roads, etc. - 5 percent.

GENERALLY REPRESENTS: Southern Florida Platwoods land resource area (U-155).

HC	BTHLY	PRECIPI	TATION A	ND RUNOR	PF (inch	es)		VERO BE	ACH, FLO	RIDA (WI	LLIABSON	DITCH)	WATERSE	BD W-5
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	0.37	3.62	3.49	0.83	0.93	7.30	6,37	3,00	4,63	5.18	0.56	0.76	37.04
1965	Q	0.117	0.243	0.256	0.131	0.061	0.264	0.302	0.236	0.154	0.441	0.289	0.120	2.614
	р	6.48	3.19	1.06	2.84	5.09	12.98	8.18	10.80	4.50	5.90	0.37	0.56	61.94
1966	Q	1.137	0.928	0.319	0.243	0.834	2,958	4.449	8.460	1.502	2.325	0.199	0.150	23.507
	р	0.84	2.54	0.94	0.0	0.23	12.56	11.38	12.39	5.38	3.72	0.41	2.26	52,65
1967	Q	0.141	0.142	0.130	0.092	0.062	0.207	5.571	2.998	1.777	1.467	0.142	0.120	12.848
	P	1. 10	1.85	0.75	0.44	5.46	18_04	7.74	3.50	7.69	5.73	2.04	0.08	54.41
1968	Q	0.146	0.152	0.114	0.080	0.114	9.522	4.904	0.422	2.712	3.587	0.718	0.165	22.637
	P	2.02	1.16	7.82	0.77	8,20	10.54	6.01	9.74	7.36	10-44	4.03	2.78	70.86
1969	Q	0.269	0.143	3.170	0.156	1.050	4.996	0.970	5.279	3.054	5.638	3.103	1.869	29.697
	P	4,68	2.93	7.17	0.23	5,20	7,69	8.13	7.81	4.84	5.56	0.07	0.45	54.76
1970	Q	3.073	1.152	3.806	0.332	0.291	1.324	3.508	2.438	0.392	1.975	0.266	0.122	18.679
	P	0.13	2.11	0.99	0.27	4.87	11.51	6.02	5.46	6.58	4.58	1.26	2.20	45.97
1971	Q	0.114	0.152	0.154	0.078	0.141	1.809	2.033	1.509	4.040	0.385	0.489	0.182	11.085
STA AV	P	2.23	2.49	S. 17	0.77	4.28	11.52	7.69	7.53	5.85	5.87	1.25	1.30	53.95
	Q	0.714	0.416	1.135	0.159	0.365	3.012	3.105	3.049	1.947	2.260	0.744	0.390	17,295

NOTES: Watershed Conditions: Same as described in previous section under WATERSHED COMDITIONS. For map of watershed, see p. 08.002-3. Precipitation and runoff records began April 1964, part-year records not included in STA 1%. Precipitation Thieses weighted using 2 gages. Runoff data furnished by 10.3. Geological Survey. For long-time precipitation records, see National Weather Service records at Okeechobee Burricane Gate 6, Florida (Gage discontinued Row. 1971, afterwards use Okeechobee SW).

1965	Di	AILY PEEC	IPITATION	(inches)		VERO	BEACH,	PLORIDA	(WILLIAMSON	DITCH)	WATERSHED	¥-5
Day	Jan	Feb	Mar	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	1. 18	0.0	0.0
2	0.0	0.43	0.06	0.0	0.0	0.0	0.0	0.20	0.38	0.11	0.0	0.0
3	0.0	0.0	0.08	0.0	0.0	0.0	0.05	0.35	0.0	0.0	0.0	0.0
5	0.0	0.0	0.33	0.0	0.0	0.0	0.72	0.19	0.0	0.0	0.0	0.0
5	0.0	0.22	0.0	0.0	0.0	0.54	0.24	0.0	0.0	0.0	0.10	0.0
6	0.0	0.0	0.02	0.0	0.0	0_0	0.0	0.0	0.21	0.26	0.22	0.0
7	0.0	0.50	0_0	0.0	0.0	1.22	0.0	0.43	0.10	0.36	0.02	0.0
8	0.0	0.0	0.0	0.0	0.0	0.23	0.03	0.12	0.35	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.02	0.0	0.0	0.0	0.0
10	0_0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0
11	0.27	0.0	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.60	0.95	0.24	0.31	0_0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.28	0.12	0.0	0.0	0.03	0.0	0.22
14	0.0	0.0	0.58	0.0	0_0	0.17	0.07	0.22	0.0	1.01	0.0	0.0
15	0.03	0.0	0.0	0.0	0.0	0.01	0.99	0.0	0.0	0.03	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.10	0.52	0.32	0.30	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.02	0.34	0.0	0.26	0.0	0.0	00
18	0.0	0.13	0.0	0_0	0.0	2.61	0.03	0.0	0.03	0.0	0.0	0.0
19	0.0	0.03	0.0	0.0	0.0	0.05	0.03	0.14	0.0	0.0	0.0	0.09
20	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0_0	0.45
21	0.0	0.06	0.0	0.0	0.0	0.0	1.19	0.0	0.0	0.0	0_0	0.0
22	0.05	0.12	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.0
23	0.0	1.72	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.0	0.03	0.0
24	0.0	0.13	0.0	0.41	0.32	0.0	0.0	0.04	00	0.0	0.0	0.0
25	0_0	0.28	0.0	0.0	0.0	0.05	0.0	0.03	0.02	0.0	0.0	0.0
26	0.0	0.0	1.45	0.23	0.0	0.0	0.0	0.0	0.68	0.0	0.0	0.0
27	0.0	0 0	0.83	0.0	0.0	0.0	0_0	0.0	0.08	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0-27	0.34	0_0	0.08	0.0
29	0.0		0.0	0.0	0.0	0.0	0.17	006	0.13	0.0	0.03	0.0
30	0.0		0.0	0.0	0.0	0_0	0.97	0.05	1.57	0.41	0.08	0.0
31	0.0		0.13		0.0		0.0	0.24		0.94		0.0
TAL	0.37	3.62	3.49	0.83	0.93	7.30	6.37	3.00	4.63	5.18	0.56	0.76
A AV	0.37	3.62	3.49	0.83	0.93	7.30	6.37	3.00	4-63	5.18	0.56	0.76

BOTES: For daily air temperatures in the vicinity (1965), see Eydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Risc. Pub. 1216, p. 08.002-1. Precipitation values are Thiessen weighted averages of two gages. STA VD based on 1 yr (1965) record period.

1966	D	AILY PREC	EPITATION	(inches)		V E	O BEACE,	PLORIDA	(WILLIAMSON	DITCH)	WATERSHED	¥−5
Day	Jan	Peb	Har	Ърг	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0 0	0.0	0.56	0.62	0.64	0.0	0.0	0.0	0.0
2	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.04	0.0
3	0.66	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.10	0.08	0.0	0.0
4	2.69	0.0	0.0	1.34	0.0	0.0	0.0	0.14	0.0	0.40	0.0	0.38
5	0.70	0.0	0.20	0.09	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0
6	0.02	0.0	0.0	0.0	0.09	0.94	0.05	0.12	0_0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	2.76	1.24	0.07	0.65	0.79	2.49	0.0	0.0
8	0.0	0.0	0.0	0.0	0.03	2.04	0.0	0.79	0.09	0.08	0.0	0.0
9	0_0	0.0	0.0	0.76	0.03	0.24	0.26	0.01	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.57	0.0	0.0	016	0.36	1.30	0.0	0.0	0.0
11	0.63	0.0	0.0	0.0	1.11	0.0	0.36	1.11	0.38	0.0	0.0	0.0
12	0.07	0.0	0.0	0.0	0.0	0.0	0.41	0.55	0.07	0.08	0.0	0.05
13	0.0	0.06	0_04	0.0	0.0	0.0	0.98	0.17	0.03	0.58	0.0	0.0
14	0.0	0.0	0.04	0.0	0.0	0.71	0.0	0.0	036	1.03	0.0	0.0
15	0 0	0.02	0.02	0.0	0.0	0.92	0.50	0.36	0.13	0.0	0.03	0.0
16	0_0	0.0	0.0	0.0	00	1.18	0.56	0.0	0.0	0.0	0.11	0.0
17	0.0	0.0	0.07	0.0	0.0	0.08	0.0	0.0	0.11	0.0	0.0	0.07
18	0.0	0.20	0.0	0.0	0.18	0.09	0.0	0.17	0.10	0.0	0.0	0.05
19	0.02	0.76	0.0	0.0	0.0	0.43	0.0	0.0	0.26	0_0	0.0	0.0
20	0.30	0.0	00	0.0	00	1.29	0.0	0.0	0.0	0.0	0_0	0.0
21	0.0	0.0	0.0	0.0	0.23	0.49	0.42	0.63	0-11	0.0	0.0	0.0
22	0.41	0.43	0.0	0.0	0.18	0.04	075	0.0	0.0	1. 19	0.0	0.0
23	0.0	1.57	0.0	0.0	0.08	0.0	0.02	3.59	0.0	0.0	0.18	0.0
24	0.0	0.0	0.0	0.0	0.01	0.0	0.43	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0_0	0.0	0.23	0.04	0.0	0.0	0.0	0.0
26	0.60	0.0	0.0	0.0	0.26	0.0	0.81	0.57	00	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.06	0.0	0.09	0.12	0.13	0.0	0.0	0.0
28	0.01	0.15	0.0	0.0	0.0	0.07	0.85	0.0	0.24	0.0	0.0	0.0
29	0.38		0.69	0.0	0.0	1.45	0.26	0.0	0.29	0.0	0.0	0.0
30	0.0		0.0	0.07	0.0	1,20	0.12	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.06		0.22	0.13		0.0		0.0
TOTAL	6-48	3, 19	1.06	2.84	5.09	12.98	8.18	10.80	4,50	5, 90	0.37	0.56
STA AV	3.43	3.41	2.27	1.84	3.01	10.14	7.28	6.90	4.56	5.54	0.47	0.66

BOTES: For daily air temperatures im the vicinity (1965), see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1966, USDA Misc. Pub. 1226, p. 08.002-1. Precipitation values are Thiessen weighted averages of two gages. STA #7 based on 2 yr (1965-1965) record period.

1967	Е	AILY PREC	IPITATION	(inches)		V ERC	BEACH,	FLORIDA	(WILLIAMSON	DITCH)	WATERSHED	₩-5
Day	Jan	Feb	Har	lpr	Bay	Jun	Jul	Δug	Sep	0ct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	1.58	0.68	0.0	1.34	0.0	0.0
2	0.0	0.0	0.0	0_0	0.0	1.76	0.19	0.0	0.0	0.0	0.08	0.0
3	0.14	0.0	0.20	0.0	0.0	0.55	1.14	0.0	0.10	0.0	0.0	0.0
4	0.15	0.0	0.0	0.0	0.0	0.02 1.68	0.37	0.28 1.80	0.59 0.12	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	1.68	0.0	1.80	0. 12	0.25	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.40	1.00	0.02	0.0	0.51	0.0	0.0
7	0.0	0.08	0.0	0.0	0.0	0.70	0.44	0.0	0.14	0.0	0.0	0.0
8	0.0	0.02	0.28	0.0	0.0	0.04	0.50	0.82	0.0	0.0	0.0	0.0
9	0.0	0.27	0.24	0.0	0.0	0.01	0.23	0.0	0.18	0.24	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.02	0.0	0.0
11	0.02	0.29	0.0	0.0	0.0	0.0	0.0	0.84	1.10	0.04	0.0	1.18
12	0.0	0.11	0.0	0.0	0.0	9.0	0.90	0.26	0.11	0.0	0.0	0.18
13	0.0	0.05	0.0	0.0	0.0	0.19	0.43	0.50	0.79	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.28	2.82	0.0	0.04	0.24	0.0	0.0
15	0.15	0.0	0.0	0_0	0.0	0.09	0.03	0.04	0.0	0.0	0.0	0.0
16	0.06	0.0	0.0	0.0	0.01	0.88	0.05	0.33	0.0	0.0	0.33	0.0
17	0.0	0.0	0.0	0.0	0.0	0.38	0-21	1. 17	0.08	0.06	0.0	0.0
18	0.14	0.0	0.0	0.0	0.0	0.59	0.0	0.13	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.03	0.03	1.26	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.04	0.43	0.25	0.0	0.0	0.0	0.0
21	0.0	1.35	0.0	0.0	0.0	0.0	0.55	1.29	0.05	0.0	0.0	0.0
22	0.0	0.38	0_0	0.0	0.23	0.32	0.44	0.07	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	1.13	0.03	0.0	0.0	0.29	0.0	0.05
24	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.01	0.0	0.73	0.0	0.0
25	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.09	0.0	0.0	0.0	0_0	0.0	1.38	0.0	0.0	0.85
29	0.0		0.02	0.0	0.0	0.36	0.0	0.06	0.46	0.0	0.0	0.0
30	0.0		0.08	0.0	0.0	2.14	0.0	2.58	0.0	0.0	0.0	0.0
31	0.0		0.03		0.0		0.0	0.0		0.0		0.0
OTAL	0.84	2.54	0.94	0.0	0.23		11.38	12.39	5.38	3.72	0.41	2.26
TA AV	2.56	3.12	1.83	1, 22	2.08	10.95	8.64	8.73	4.83	4.93	0.45	1.19

BOTES: For daily air temperatures in the vicinity (1967), see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, p. 08.002-1. Precipitation values are Thiessen weighted averages of two gages. STA NV based on 3 yr (1955-1967) record period.

1968	I	AILY PREC	ROITATION	(inches)		V B B	O BRACH,	PLORIDA	(WILLIAMSON	DITCH)	WATERSHED	₩-5
Day	Jan	Feb	Har	Apr	Бау	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.04	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.38	1.93	0.04	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	3.00	0.19	0.09	0.0	0.0	0_0	0.0
4	0.0	0.0	0.0	0.0	0.43	1.07	0.45	0.63	0.0	0.0	0.0	0.0
5	0.0	0.31	0.0	0.14	0.04	0.96	0.69	0.0	0.0	0.0	0.0	0.0
6	0.0	0.02	0.57	0.0	0.0	0.01	0.53	0.0	0.34	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.26	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.56	0.18	0.06	0.46	0.00	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	2.21	0.16	0.0	1_44	0.03	1.47	0.0
10	0.37	0.0	0.0	0.0	0.05	0.92	0.18	0.16	0.78	1.02	0.0	0.0
11	0.0	0.16	0.0	0.08	0.02	1.26	0.00	0.0	0.72	0.11	0.49	0.0
12	0.0	0.0	0.17	0.0	0.0	0.02	0.0	0.0	0.16	0.0	0.0	0.0
13	0.33	0.0	0.0	0.0	0.0	1.52	0.0	0.0	0.88	0.01	0.00	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.25	00	0.01	0.0	9.0
15	0.0	0.0	0.0	0.06	0.43	1.25	0.0	0.13	0.0	1.43	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.73	0.22	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0_0	0.22	0.02	0.0	0.0	0.0	1.58	0.0	0.0
18	0.0	0.02	0.0	0.0	0.0	0.23	0.75	0.0	0.0	0.01	0.0	0.0
19	0.0	0.77	0.0	0_0	1.31	0.73	0.09	0.0	0.28	0.22	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.30	0.07	0.09	0.20	G. 0	0.04	0.0
21	0.0	0.0	0.0	0.0	0.0	9.0	0.34	0.0	0.16	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	9.0	0.32	0.0	0.0	0.0	0.0	0.0
23	0.0	0.45	0.0	0.0	0.27	9.0	0.08	0.08	0.98	0.98 .	0.0	0.01
24	0.33	0.0	0.0	0.0	0.21	9.0	0.0	0.0	0.40	0.02	0.0	0.0
25	0.0	0.0	0.0	0.0	0.95	0.65	9.0	0.03	0.05	0.06	0.0	0.0
26	0.0	0.0	0.0	0.0	0.46	1.28	0.0	0.09	0.80	0.0	0.0	0.0
27	0.0	0.0	0.0	0.01	0.25	0.01	0.0	0.03	0.01	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.32	0.94	0.0	9.46	9.02	0.0	0.0	0.07
29	0.0	0.11	0.0	0.14	0.53	0.0	0.37	0-47	9.0	0.0	0.04	0.0
30	0.08		0.0	0.0	0.0	0.0	0.22	0.78	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.07		0.0		0.0
TOTAL	1.10	1.85	0.75	0.44	5.46	18.04	7.74	3.50	7.69	5.73	2.04	0.08
STA AV	2.20	2.80	1.56	1.03	2,93	12.72	8.42	7.42	5.55	5.13	0.84	0.92

NOTES: For daily air temperatures in the vicinity (1968), see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1968, USDA Bisc. Pub. 1330, p. 08.002-1. Precipitation values are Thiessen weighted averages of two gages. STA AF based on 4 yr (1965-1968) record period.

1969	I	DAILY PEEC	PITATION	(inches)		VERO	BEACH,	PLORIDA	(WILLIAMSON	DITCH)	WATERSHED	W-5
Day	Jan	Feb	Ear	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1 2	0.0	0.0	0 - 0 C - 0	0.04	0.0	0.0	0.0	0.09	0.0	0.17	0.0	0.0
3	G. 0	0_0	0.64	0.29	0.08 1.86	0.0	0.05	0.07	0.0	2.97	0.0	0.0
, n	0.49	0.0	0.04	0.0	0.0		1.03	0.34	0.0	0.48	0.0	0.0
5	0.92	0.0	0.0	0.0	0.0	0.15	0.02	0.01	0.06	0.11	0.0	0.0
6	0.11	0.0	0_19	0_08	G_ 0	2.02	0.03	0.05	0.52	0.02	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.38	0.33	0.01	0.0	0.13
8	0.0	0.08	3.66	0.0	0.0	0.13	0.0	G.77	0.0	0.06	0.0	0.0
9	0.0	0.03	0.65	0.0	0.0	0.0	0_0	0.46	2.20	0.0	0.00	0.01
10	0.0	0.0	0.0	0.03	0.05	0.0	0.04	1.59	0.33	0.0	0.0	2.33
11	0.15	0.0	0.0	0.0	0.0	0.05	0.0	0.79	0.0	0.0	0_0	0.0
12	0.0	0.02	0.0	0.0	1.33	1.86	0.0	0.70	0.0	0.0	0.0	0.0
13	0.0	0.0	0.14	0.0	0.0	0.78	0.0	0.57	0.0	0.0	0.82	0.0
14	0.0	0.0	0.0	0.0	1.57	1.56	0.58	0.36	0.06	0.0	1.52	0.0
15	0.0	1.02	0.0	0.0	0.20	1.38	0.98	0.93	0.31	0.0	0.0	0.0
16	0.0	0.0	2.00	0.10	0.00	0.68	0.12	0.15	0.12	0.0	0.0	0.0
17	0.0	0.0	0.20	0.0	0.05	0.04	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.01	0.11	0.0	0.10	0.45	0.28	1.58	1.01	0.0	0.0
19	0.32	0.0	0.0	0.0	0.01	1.05	0.62	0.01	0.02	0.42	0.0	0.0
20	0.04	0.0	0.0	0.0	2.69	0_64	0.47	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.12	0.01	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.38	0.0	0.26	0.0	0.15
23	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	1.05	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.83	0.0	0.0
25	0.0	0.0	0.32	0-0	0.0	0.0	0.0	1.49	0.0	0.01	0.0	0.0
26	0.0	0.0	C 0	0.0	0.0	0.0	0.00	0.0	0.03	0.05	0.13	0.16
27	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.35	0.0
28	0.0	0.0	0.0	0.12	0.25	0.0	1.47	0.0	0.16	0.12	1.20	0.0
29	0.0		0.0	0.0	0.11	0.04	0.02	0.0	0.33	2.13	0.0	0.0
30	0.0		0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.16	0.0	0.0
31	0.0		0.0		0.0		0.07	0.04		0.58		0.0
TOTAL	2.02	1.16	7.82	0.77	8.20	10.54	6.01	9.74		10.44	4.03	2.78
STA AV	2.16	2.47	2.81	0.98	3.98	12.28	7.94	7.89	5.91	6.19	1.48	1.29

NOTES: For daily air temperatures in the vicinity (1969), see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Bits. Pub. 1370, p. 08.002-2. Precipitation values are Thiessen weighted averages of two ugages. STA AV based on 5 yr (1965-1969) record period.

1970	D.I	AILY PREC	EPITATION	(inches)		VE	O BEACH,	FLORIDA	(WILLIAMSON	DITCH)	WATERSHE	n-5
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.03	0.0	0.0	0.0	1, 12	0.0	0.0	0.0	0.01	0.0	0.0
2	0.40	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.51	0.0	0.0
3	1.10	2.04	0.0	0.09	0.0	0.0	0.24	0.0	0.0	0.55	0.0	0.0
4	0_0	0.0	0.0	0.0	0.0	1.11	0.73	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.06	0.0	0.0	0_47	0.40	0.0	0.11	0.00	0.0	0.0
6	1.50	0.00	0.0	0.13	0.0	0.0	0.17	1.36	0.38	0.58	0.0	0.0
7	0.0	0.0	0.68	0.0	0.0	0.18	1.52	0.78	0.00	0.57	0.0	0.0
8	0.0	0.0	0.32	0.0	0.0	0.0	0.08	2.02	0.08	0.0	0.0	0.0
9	0.0	0.01	0.0	0.0	0.0	0.0	0.03	0.70	0.05	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.05	0_04	0.0
11	0.0	0.0	0.76	0.02	0.0	1.57	0.0	0.11	0.0	0.0	0.0	0.0
12	0.0	0.0	0.55	0.0	0.0	0.0	0.25	0.69	0.0	0.02	0.0	0.0
13	0.0	0.0	0.04	0.0	0.0	0.0	0_0	0.0	0.06	0.04	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	1.57	0.0	0.0	0.0
15	1.62	0.0	0.0	0.0	0.0	0.0	0.56	0_0	0.02	0.32	0.03	0.0
16	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.52	0.0	0.0
17	0.05	0.01	0.0	0.0	0.0	0.0	0.11	0.0	0.03	0.38	0.0	0.16
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0_0	0.0	0.0	0_0	0.55	1.29	0.05	0.01	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.27	1.66	0.10	0.10	0.15	0.0	0.0
22	0.0	0.0	0.42	0.0	0.0	0.0	0.11	0.03	0_0	0.0	0.0	0.0
23	0.0	0.0	0_0	0.0	0.03	0.86	0.53	0_14	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	1.61	0.59	0.0	0.01	0.49	0.0	0.0	0.0
25	0.0	0.59	2.63	0.0	0.05	0.71	0.0	0.0	0.18	0.0	0.0	0.13
26	0.0	0.0	1.70	0.0	0.57	0.03	0.45	0.03	0.01	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.32	0.06	0.73	0.30	0.01	0.0	0.0	0.0
29	0.0		0.0	0.0	2.04	0.56	0.01	0.01	0.96	0.45	0.0	0_0
30	0.00		0.0	0.0	0.12	0.10	0.0	0.03	0.54	1.40	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.16
TOTAL	4.68	2.93	7.17	0.23	5.20	7.69	8.13	7.81	4.84	5.56	0_07	0.45
VA ATS	2.58	2.55	3.54	0.85	4. 18	11.52	7.97	7.87	5.73	6.09	1.25	1.15

NOTES: For daily air temperatures in the vicinity (1970), see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1970, USDA Misc. Pub. 1380, p. 08.002-1. Precipitation values are Thiessen weighted averages of two gages. STA av based on 6 yr (1955-1970) record period.

1971		DAILY PREC	PITATION	(inches)		VBRO	BEACH,	PLORIDA	(WILLIAMSON	DITCH)	WATERSHE	₩-5
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	₩ov	Dec
1	0.0	0.0	0.0	0.0	0.02	0.0	0.43	0.0	0.39	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.26 0.22	0.0 0.C	0-04	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.44	1.06	0.22	0.0	0_0	0.34
5	0.0	0.0	0.0	0.06	0.0	0.0	0.43	0.03	0.0	0.29	1.15	0.0
6	0.0	0.96	0.0	0.0	0.0	0.04	0.12	0.0	0.96	0.08	0.0	0.0
7	0.0	0.0	0.42	0.0	0.0	0.05	0.04	0_0	0.02	0.22	0.0	0.0
8	0.0	0.58	0.0	0.0	0.0	0.87	0.19	0.0	0.06	0.85	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	2.18	1.16	0.05	0.34	0.30	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.02	0.04	0.46	0.02	0.0
11	0.0	0.0	0.0	0.0	0.74	1.29	0.0	0_01	0.42	0.10	0.0	0_0
12	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.03	2,36	0.00	0.0	0.0
13	0.0	0.00	0.03	0.0	0.14	0.17	0.0	1.26	0.26	0.01	0.0	0.0
14	0.0	0.0	0.0	0.0	1.02	0.0	0.09	0.36	0.06	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	1.72	0.0	0.11	0.12	0.0	0.0	0.0	0.0
16	0_0	0.0	0.13	0.0	0.63	0.0	0.00	0.0	0.0	0.18	0.0	0.0
17	0.0	0.0	0.0	00	0.01	2.08	0.0	0.0	0.0	0.35	0.0	0.0
18	0.05	0.0	0.0	0.0	0.0	0.22	0.0	0.33	0.0	005	0.0	0.0
19	0.08	0.0	0.0	0-0	0.0	0.22	0.0	0.88	0.0	0.20	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.04	0.0	0.01	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
22	0.0	0.02	0.0	0.0	0.0	0.61	0.54	0.0	0.07	0.20	0.0	1.70
23	0.0	0.47	0.0	0.0	0.0	0.90	0.16	0.34	0.06	0.0	0.0	0.10
24	0.0	0.0	0.0	0.08	0.0	0.48	0.0	0.01	0.02	0.0	0.0	0.06
25	0.0	0.08	0_0	0.01	0.0	0.02	0.0	0.24	0.00	0.0	0.0	0.0
26	0.0	0.0	0.14	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0 C	0.0
27	0.0	0.0	0.0	0.01	0.0	0.0	0.13	0.28	0.0	0_0	0_0	0.0
28	0.0	0_0	0.0	0.0	0.57	1.07	0.64	0.01	0.0	0.68	0.0	0.0
29	0.0		0.0	0.0	0.0	0.13	0.91	0.0	0.00	0.03	0.04	0.0
30	0.0		0.27	0.0	0.0	0.02	0.0	0.30	0.04	0.09	0.0	0.0
31	0.0		0.0		0.0		0.0	0.08		0.48		0.0
TOTAL	0.13	2.11	0.99	0.27	4.87	11.51	6.02	5.46	6.58	4.58	1.26	2.20
STA AV	2.23	2.49	3.17	0.77	4.28	11.52	7.69	7.53	5.85	5.87	1.25	1.30

NOTES: For daily air temperatures in the vicinity, see p. 08.002-1. Precipitation values are Thiessen weighted averages of two gages. STA AV based on 7 yr (1965-1971) record period.

196	65	MEAN DAIL	Y DISCHAR	GE (cfs)		V I	RO BEACH,	PLORIDA	(WILLIAMS	ON DITCH)	WATERSH	ED W-5
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.200	3.400	8.100	7.800	2.800	0.800	4.000	10-000	5.200	18.000	34.000	4.200
2	4.000	4.000	7.500	7-200	2.800	0.500	4.000	8.500	5.800	51.000	30.000	3.600
3	4.000	4_000	7.200	5,800	2.400	0.800	4.000	8.500	6.500	36.000	22.000	3.400
4	3.600	4.000	7.500	4.900	2.200	3.000	4.000	10.000	6.200	25,000	14,000	3,400
5	3.600	4.200	7.800	4_600	1_800	4_600	4.000	11.000	5.500	15.000	12.000	3.600
6	4.000	4.000	6.500	4.600	1.800	3.400	4.200	8.500	13.000	12.000	11.000	3.600
7	3.600	5.500	5.500	4.600	2.200	5.800	4.200	7.500	7.200	12.000	12.000	5-200
8	3.600	6.200	4.900	4.600	2.400	4.600	4.000	8.100	4.900	16.000	12.000	4.600
9	3.600	5.500	4.600	4.200	2.800	4.600	4.000	7-800	4.200	15.000	10.000	3.400
10	3,600	5,200	4,200	4.200	2.700	3,600	4.000	8.100	4.200	12.000	9.000	1.800
11	4.000	4.600	4.000	4.200	1.800	3.600	4.000	7,800	4.200	9.000	8.500	1.800
12	4.000	4.000	3.600	4.000	2.200	6.500	4.000	7.500	4-200	7.500	7.800	2.200
13	4_000	4.000	3.600	3.600	1.800	7.200	4_000	8,100	4.200	7.200	7.200	2,400
14	4.000	4.000	3.600	4.200	1.600	5.200	3.600	8 100	4.000	6.800	6.800	3.000
15	4.000	4,600	4.600	4-200	1.800	4.900	3.600	7.800	3.600	12.000	6.500	3,400
16	3.600	4.000	4.900	4.200	1.800	4.600	3,600	7.800	3.600	18.000	6.200	3.600
17	3.400	4.000	4.600	4.000	1.600	4.200	4.200	9.500	4.900	15.000	5,200	4.000
18	3.400	4-000	4-600	3.600	1.800	22.000	5.800	8.200	4.600	12.000	5,200	4.000
19	3.400	4.600	4.600	3.400	1.800	61.000	9.500	7-500	4.600	9.000	4-600	3600
20	3.400	4-600	4.600	3-400	1.600	31.000	7.800	6,800	4_600	7.800	4.900	4.200
21	3.400	4.600	4.200	3.400	1.600	13.000	10.000	6.200	4.200	7.200	4.600	4-200
22	3.000	5.200	4-000	3,600	1.800	8,500	44.000	5.200	3.600	7.200	4.600	4.200
23	3.000	11.000	4.000	3.600	2,200	7_800	39.000	4.600	3.600	13.000	4-200	4000
24	3.000	34.000	4.000	4.000	1.600	6.800	31.000	4.900	3.600	15.000	4,200	4.000
25	3.400	34.000	4.000	3.600	1.800	6.200	18.000	5-200	3.600	12.000	4.200	3.600
26	3.400	28.000	4-200	3.400	1.000	5.500	12.000	5-200	3.600	9.500	4.260	3.600
27	3.600	16.000	22.000	3.400	1~000	5.500	9.000	5.200	4.200	8.100	4-900	4.000
28	3.600	10.000	41.000	3.400	1.600	6.800	7.200	5-200	4.200	7.200	5.860	4.600
29	3.400		28.000	3.000	1.300	5.200	6.200	4.900	4.900	6.800	5.200	4.600
30	3.400		13.000	2.000	1.300	4.200	6.500	5.200	5.500	6.200	4.600	4.200
31	3,600		8.500		1.300		14.000	5.800		11.000		4.200
BAN	3.606	8.257	7.852	4.157	1.877	8.380	9.271	7.248	4.873	13.532	9.180	3.684
NCHES	0.117	0.243	0.256	0.131	0.061	0.264	0.302	0.236	0.154	0_441	0.289	0.120
TA AV	0.117	0.243	0.256	0.131	0.061	0.264	0.302	0.236	0.154	0.441	0.289	0.120

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.00105056. Runoff data furnished by U.S. Geological Survey. Becords are good to fair. STA AV based on 1 yr (1965) record period.

196	6	BEAN DAILY	DISCHARG				BO BEACH,	FLORIDA	(WILLIAMSON	DITCH)	WATERSHED	₩-5
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	4.0	30.0	30.0	5.5	4.2	4.6	428.0	1930.0	48.0	11.0	10.0	4.9
2	4.0	25.0	30.0	4.9	4.2	5.2	327.0	175.0	34.0	10.0	9.5	5.2
3	4.2	19.0	24.0	4.6	4.2	4.9	193.0	124.0	26.0	9.0	8.5	5.5
4	6.5	14.0	20.0	7.2	4.0	4.6	119.0	148.0		10.0	7.5	5.8
5	117.0	12.0	18.0	19.0	4.0	4.2	71.0	117.0	22.0	10.0	7.5	6.8
6	110.0	10.0	17.0	12.0	4.0	6.6	44.0	87.0	18.0	9.0	7.2	5.8
7	72.0	9.0	13.0	8.5	14.0	58.0	34.0	71.0	18.0	64.0	6.8	5.2
8	52.0	8.5	7.8	7.2	134.0	77.0	31.0	130.0	29.0	435.0	6.8	4-6
9.	39.0	8.1	8.3	6.8	134.0	215.0	28.0	217.0	20.0	276.0	6.8	4.0
10	31.0	7.8	10.0	40.0	126.0	161.0	36.0	136.0	45.0	134.0	6.5	4.0
11	34.0	6.5	8.1	20.0	100.0	108.0	43.0	191.0	163.0	80.0	6.5	4.2
12	56.0	4.9	7.5	11.0	82.0	70.0	64.0	324.0	175.0	49.0	6.2	4.6
13	87.0	5.5	7-2	8.1	43.0	39.0	121.0	351.0	112.0	47.0	6.2	4.6
14	36.0	7.2	7.2	7.2	23.0	22.0	146.0	334.0		152.0	6.2	3.6
15	30.0	7.2	7.2	6.2	13.0	30.0	130.0	238.0	107.0	144.0	58	4.0
16	25.0	6.8	7.5	5.8	19.0	91.0	157.0	182.0	83.0	83.0	5.8	4.0
17	20.0	6.8	6.5	5.2	8.5	200.0	148.0	117.0	59.0	54.0	5.8	3.6
18	15.0	6.5	6.5	4.6	6.5	98.0	98.0	82.0	64.0	36.0	5.5	4.0
19	12.0	21.0	6.2	4.6	5.2	62.0	58.0	68.0	51.0	26.0	5.5	4.0
20	13.0	20.0	5.8	4.6	4.9	110.0	37.0	54.0	51.0	18.0	5.2	4_0
21	19.0	14.0	5.5	4.6	4.6	212.0	36.0	41.0	40.0	13.0	5.5	4.6
22	19_0	12.0	5.2	4.2	5.2	222.0	56.0	56.0		73.0	5.5	4.9
23	31.0	118.0	4.6	4.0	6.8	222.0	142.0	232.0		155.0	5.8	4.9
24	28.0	212.0	4.6	4.0	6.2	170.0	107.0	720.0		107.0	5.8	5.2
25	22.0	123.0	4.6	4.0	5.2	134.0	124.0	587.0	15.0	66.0	5.5	4_9
26	29.0	76.0	4.2	3.6	4.9	103.0	163.0	424.0	13.0	45.0	5.5	4.6
27	52.0	54.0	4.2	3.4	4.9	76.0	262.0	311.0	12.0	32.0	5.2	4.6
28	40.0	39.0	4.0	3.6	4.9	48.0	240.0	243.0	10.0	24.0	5.2	4 . E
29	32-0		4.9	3.4	4.6	48.0	304.0	170.0	12.0	17.0	4.9	4.2
30	47.0		7.2	3.6	4.6	210.0	273.0	119.0	13.0	13.0	4.9	4.0
31	36.0		6.5		4_6		215.0	74.0		11.0		4.2
MEAN	34.93	31.56	9.78	7.71	25.62	93,87		259.77		71.39		4.62
INCHES	1.137	0.928	0.319	0.243	0.834	2.958	4-449	8.460		2.325	0.199	0.150
STA AV	0.627	0.586	0.287	0.187	0.448	1.611	2.376	4.348	0.828	1.383	0.244	0.135

NOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.00105056. Bunoff data furnished by U.S. Geological Survey. Records are good to fair. STA AV based on 2 yr (1965-1966) record period.

196	7	REAN DAILS	DISCHARG	E (cfs)		W H	RO BEACH,	PLORIDA	(WILLIAMS	ON DITCH)	WATERSHEI	¥-5
Day	Jan	Peb	Bar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.60	3-40	4.00	3.40	2.20	1.30	159.00	11.00	212.00	82.00	6.50	3.00
2	4.90	3.00	3.60	3.00	2.20	3.00	155-00	14.00	102.00	273.00	6-10	2.70
3	5.50	3.00	4.00	3.40	2.20	4.60	112.00	9.50	58.00	161.00	6.10	2.70
4	6.20	3.00	5.80	3.40	2.20	2.40	132.00	7.80	39.00	90.00	6.10	2.70
5	5.20	3.00	4.90	3.00	2.20	3.40	163.00	25.00	121.00	61.00	5.70	3.60
6	4.90	3.00	4.20	2.80	1.80	5.20	121.00	121.00	119.00	69.00	5.40	3.90
7	4.90	3.40	3.60	2.80	1.80	3.60	121.00	68.00	96.00	88.00	5.00	3.60
8	4.20	4.00	4.20	3.00	1.80	3.00	128.00	52.00	76.00	76.00	4.60	2.70
9	4.00	4.20	4.60	3.00	2-20	2.80	123.00	68.00	52.00	61.00	4.20	2.70
10	9.20	4.00	4.60	3.00	2.20	2.80	238.00	41.00	39.00	61.00	4.60	2.70
11	4.00	3.60	4.60	3.00	2.20	3.60	140.00	43.00	87.00	48.00	5.00	5.00
12	4.00	4.60	4.20	3.40	2-20	4.90	91.00	80.00	80.00	36.00	5.00	7.70
13	4.00	4.60	4.20	3.40	1.80	4.20	128.00	77.00	77.00	29.00	5.00	4.60
14	4.00	4.00	4.20	3.40	1.80	4 - 60	406.00	91.00	110.00	24.00	4.60	3.90
15	4.20	3.60	4.00	3.00	1.80	6.80	693.00	66.00	77.00	24.00	4.60	3.30
16	4.60	3.60	3.40	3.00	2.20	7.20	567.00	51.00	51.00	19.00	4.60	3.30
17	4.20	3.60	3.40	3.00	2.20	12.00	365.00	119.00	36.00	14.00	5.00	3.30
18	4.60	3.40	3.40	3.00	2.20	12.00	290,00	217-00	31.00	13.00	4.60	3.00
19	4.60	3.60	3.40	3.00	1.60	17-00	212.00	236.00	24.00	12.00	4.20	3.00
20	4.60	4.00	3.40	3.00	1.60	12.00	159-00	278.00	14.00	10.00	3.90	3.00
21	4.20	4.90	3.60	2.80	1.60	8.10	130.00	177.00	11.00	9.10	3.90	3.00
22	4.20	21.00	4.00	2.80	2.20	6.50	134.00	304.00	10.00	8.10	3.90	3.00
23	4.00	12.00	4-00	2.80	2.20	6.80	168.00	136.00	10.00	9.10	3.60	3.30
24	4.00	6.50	4.00	2.80	1.80	15.00	115.00	68.00	9.00	11.00	3.30	3.00
25	4.00	4.90	4.00	2.40	1.60	9.00	85.00	40.00	8.10	26.00	3.30	3.00
26	4.00	4-60	4.00	2.40	1.60	6.50	56.00	29.00	9.00	25.00	3.30	3.00
27	4.00	4.20	3.60	2.40	1.60	5.50	39.00	22.00	9.50	18.00	3.30	3.60
28	4.00	4.00	4.20	2.40	1.60	5.20	28.00	15.00	11.00	13.00	3.30	5.90
29	3.60		3.60	2.40	1.60	4.90	20.00	12.00	48.00	10.00	3.30	6.90
30	3.60		3.40	2.40	1.60	13.00	14.00	10.00	65.00	8.60	3.00	5.00
31	3.40		3.40		1.60		11.00	365.00		7.30		4.20
AH	4.34	4.81	3.98	2.92	1.92	6.56	171.06	92.04	56.39	45.04	4.50	3.6
CHES	0_141	0.142	0.130	0.092	0.062	0.207	5.571	2.998	1.777	1.467	0.142	0.12
A AV	0.465	0.438	0.235	0.155	0.319	1.143	3.441	3.898	1_144	1.411	0.210	0.13

NOTES: To convert mean daily discharge in CPS to IM/DNY, multiply by 0.00105056. Runoff data furnished by U.S. Geological Survey. Records are good to fair. STA NY based on 3 yr (1965-1967) record period.

1968	В	MEAN DAIL!	DISCHARGE	(cfs)		VI	RO BEACH,	FLORIDA	(WILLIAMS	ON DITCH)	WATERSHE	D ₩-5
Day	Jan	Peb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.90	5.40	3.60	3.30	2.10	5.00	119.00	12.00	45.00	36.00	18.00	6.50
2	3,90	5.00	3.60	3.60	1.80	3.90	315.00	9.60	27,00	26.00	14.00	6.50
3	3-60	5.00	3.30	3,30	1.60	20.00	471.00	9.60	14.00	19.00	12.00	6.10
4	3.30	4.60	3.30	3.00	1.80	205.00	222.00	21.00	9.10	14.00	11.00	5.70
5	3,60	4.60	3.30	2.70	1.80	267.00	267.00	36.00	7.70	11.00	9.60	5.70
6	3.60	5.40	3.60	2.40	1.40	324.00	365.00	22.00	6.50	9.10	9.10	5.70
7	3.60	5-40	4.20	3.00	1.20	170.00	543.00	13.00	7.70	8. 10	7.70	5.70
18	3.30	4.60	3.90	3.30	1.20	103.00	535.00	10.00	7.70	22,00	5.70	5.40
9	3.30	4.20	3.90	3.00	1. 20	194.00	301.00	9.60	44.00	24-00	10.00	5.00
10	3.90	4.20	3.90	3.00	1.20	459.00	186.00	9.60	124.00	19.00	90.00	4.20
11	4.60	4.20	3.90	3.30	1.40	503.00	132.00	10.00	159.00	119.00	79.00	3.90
12	4.20	4-60	3.90	3.30	1.40	623.00	88.00	8.60	246.00	88.00	108.00	4.20
13	6.10	4-20	3.90	3.30	1.40	479.00	62.00	7.30	207.00	51.00	68.00	5.00
14	7.30	4.20	3.90	3.00	1.20	684.00	54.00	7.30	304.00	33.00	45.00	4.60
15	6.50	4.20	3.60	3.00	1.60	595.00	54.00	11.00	161.00	73.00	33.00	4.60
16	5.70	4.60	3.60	3.00	2.10	747.00	44.00	22.00	83.00	273.00	27.00	4.60
17	5.00	5.00	3.60	3.00	2.10	623.00	54.00	19.00	49.00	404.00	20.00	4.20
18	5.00	4.20	3.30	2.70	2.40	351.00	47.00	11.00	33.00	539.00	16.00	4.60
19	4.60	5.40	3.30	2.40	2.70	273.00	93.00	7.30	23.00	295.00	14.00	4.60
20	4.20	7.30	3.30	2.10	3.90	368.00	72.00	5.40	76.00	207.00	12.00	4.60
21	4.20	6.50	3.00	2-10	3.00	267.00	61.00	5.40	70.00	124.00	960	5.00
22	3.90	7.30	3.00	1.80	2.70	148.00	87.00	5.00	56.00	85.00	8.60	5.40
23	3.60	6.50	3.00	1.80	2.70	93.00	175-00	5.00	55.00	66.00	8.10	5.00
24	4.20	7.30	3.30	1.60	2.40	65.00	117.00	5.00	121.00	301.00	7.70	5.00
25	4.20	5.40	3.30	1.40	2.60	48.00	66.00	4.60	110.00	217.00	7.30	4.60
26	4.60	4.20	3.30	1.40	8.10	205.00	41.00	5.40	93.00	134.00	6.90	4.60
27	5.00	3.90	3.30	1.40	8.60	471.00	29.00	5.00	191.00	77.00	6.50	5.00
28	5.00	3.60	3.30	1_60	6.90	240.00	18.00	6.10	119.00	52.00	6.50	5.00
29	5.00	3.60	3.30	1.80	9.60	344.00	14.00	10.00	79.00	39.00	6.50	5.40
30	5.00		3,30	1.80	19.00	186.00	18.00	27,00	54.00	27.00	6.50	5.40
31	5.40		3.30		7.70		18.00	62.00		22.00		5.00
SAN	4.49	4.99	3.49	2.55	3.51	302.13	150.58	12.96	86.06	110.14	22.78	5.0
CHES	0.146	0.152	0.114	0.080	0_114	9.522	4.904	0.422	2.712	3.587	0.718	0.16
VA AT	0.386	0.366	0.204	0.137	0.268	3.238	3.807	3_029	1.536	1.955	0.337	0.13

NOTES: To convert mean daily discharge in CFS to IM/DMT, multiply by 0.00105056. Runoff data furnished by U.S. Geological Survey. Records are good to fair. STA MV based on 4 yr (1965-1968) record period.

196	9	MBAN DAIL	LY DISCHAR	SB (cfs)		V I	RO BEACH,	PLORIDA	(WILLIAMS	ON DITCH)	WATERSE	BD W-5
Day	Jan	Feb	Mar	Apr	Bay	Jon	Jul	Aug	Sep	Oct	Bov	Dec
1	3.60	5.40	2.70	6.50	3.60	4.60	12.00	26.00	24.00	64.00	437.00	62.00
2	3,60	5-40	2.70	6.90	3.60	4.60	10.00	20.00	18.00	95.00	280.00	45.00
3	3.30	5.00	3.00	13.00	6.50	4.60	9.60	17.00	15.00	564.00	177.00	33.00
4	5.70	4.60	3.30	11.00	30.00	4.60	20.00	27.00	12.00	613.00	114.00	27.00
5	12.00	4.20	3.60	7. 70	22.00	4.20	175.00	30.00	11.00	472.00	76.00	22.00
6	27.00	3.60	3.60	6.50	11.00	11.00	108.00	25.00	11.00	259.00	58.00	18.00
7	18.00	3.90	3.60	6.10	7.30	55.00	61.00	18.00	17.00	132.00	32.00	16.00
8	12.00	4.20	10.00	4.60	5.40	24.00	29.00	77.00	25,00	82,00	37.00	18.00
9	10.00	5.00	608.00	4.20	4.20	18.00	16.00	193.00	50.00	55.00	31.00	16.00
10	9.60	4.60	487.00	3.90	3.90	11.00	12.00	168.00	418.00	41.00	26.00	247.00
11	8.60	4-20	197.00	3.90	3,60	8.60	10.00	504.00	495.00	32.00	22.00	475.00
12	9.10	5.40	83.00	3.90	8_10	16.00	8.10	400-00	259.00	25.00	17.00	251.00
13	8.60	6.10	58.00	3.90	23.00	238.00	7.30	400.00	124 - 00	20.00	14.00	126.00
14	7.70	6.10	43.00	3.90	29.00	483.00	6.90	421-00	85.00	15.00	240.00	79.00
15	7.30	7.80	30.00	3.90	128.00	770.00	9.10	421.00	70.00	12.00	363.00	58.00
16	7.30	10.00	39.00	3.90	77.00	706.00	22.00	515.00	68.00	11.00	193.00	45.00
17	6.90	7.70	603.00	3.90	41-00	591.00	11.00	340.00	59.00	9.60	114.00	36.00
18	6.50	6.10	368.00	4.20	24.00	290.00	8.60	203.00	110.00	11.00	74.00	30.00
19	6.50	5.00	159.00	4.20	14-00	198.00	32.00	230.00	186.00	41.00	54-00	15.00
20	9.10	4.60	85.00	4.20	260.00	428.00	56.00	146.00	103.00	70.00	41.00	18.00
21	9.60	3.90	55.00	3.90	128.00	365.00	59.00	S5.00	65.00	55.00	32.00	18_00
22	8,10	3.90	37.00	3.90	65.00	193.00	40.00	74-00	47.00	54.00	25.00	19.00
23	6.90	3.60	26.00	4.20	35.00	110.00	24.00	65.00	39.00	49.00	22.00	17-00
24	6.50	3.60	18.00	4.20	20.00	74.00	13.00	47-00	73-00	419.00	19.00	14.00
25	6.50	3.30	12.00	3.90	10.00	52.00	9.10	64.00	168.00	331.00	18.00	12.00
26	7.30	3.30	22.00	3,90	7.70	36.00	7.30	182.00	103.00	203.00	16.00	12.00
27	6.90	3.00	17.00	3.60	6.50	17.00	6.10	110.00	65.00	144-00	15-00	12.00
28	6.10	2.70	12.00	3.60	5.70	14.00	16.00	79.00	47-00	102.00	164.00	11.00
29	5.70		10.00	3.30	6.10	12.00	54.00	58.00	61.00	340.00	152,00	9.60
30	5.00		8.60	3.30	6.10	12.00	40.00	40.00	79.00	595,00	91.00	9.10
31	5.00		7.30		4.60		31.00	30,00		461,00		8.60
SEAN	8.26	4.86	9734	4.94	32.25	158.51	29.78	162.10	96.90	173, 12	98.47	57.40
INCHES	0.269	0.143	3.170	0. 156	1.050	4.996	0.970	5.279	3.054	5.638	3.103	1.869
STA AV	0.362	0.322	0.798	0.140	0.425	3.589	3, 239	3-479	1.840	2.691	0.890	0.485

NOTES: To convert mean daily discharge in CPS to IM/DMY, multiply by 0.00105056. Runoff data furnished by U.S. Geological Survey. Records are good to fair. STA AV based on 5 yr (1965-1969) record period.

19	70	MEAN DAIL	Y DISCHAR	GE (cfs)		V E	RO BEACH,	PLORIDA	(WILLIAMS	ON DITCH)	WATERSHE	D W-5
Day	Jan	Peb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.10	8.60	9.10	61.00	3.60	34.00	64.00	30-00	6.50	95.00	48.00	4.60
2	8.10	9.10	8.10	44.00	3.00	52.00	41.00	18.00	5.70	45.00	29.00	5.00
3	70.00	171.00	7-70	29-00	3.30	29.00	27.00	11.00	5.40	140-00	20.00	4.60
4	163.00	282.00	7.70	23.00	3.30	17.00	22.00	9.10	5.40	188.00	15.00	4.20
5	95.00	148.00	7.70	16.00	3.30	85.00	55.00	7.70	5.00	128.00	12.00	3.90
6	190.00	93.00	7.70	14.00	3.00	83.00	107-00	10_00	6.50	93.00	10.00	3.90
7	431_00	62.00	7.70	13.00	15.00	49.00	155.00	43.00	10.00	210.00	9.10	3.90
8	230.00	44.00	37-00	9-60	5.70	37.00	478_00	119.00	7.70	191-00	8.10	3.60
9	121.00	33.00	34.00	5.40	4.60	23.00	331.00	386.00	4.60	108.00	7.70	3.30
10	76.00	26.00	29.00	5-40	5.00	14.00	184.00	337.00	3.60	70.00	5.40	3.30
11	58.00	19.00	15.00	6.50	4.20	36.00	100.00	193.00	3.90	51.00	4.20	3.30
12	47.00	16,00	77.00	6.90	4.20	98.00	62.00	140.00	3.90	39.00	4.60	3.30
13	40.00	14.00	140.00	6.90	4.20	49.00	49.00	240.00	3.90	29.00	5.00	3.60
74	31.00	12.00	80.00	6.50	3.90	26-00	34_00	138.00	15.00	23,00	5.00	3.90
15	248.00	11.00	48.00	5.40	3.30	15.00	32.00	108.00	51.00	19.00	5.00	3.90
16	366.00	11.00	31.00	4.60	3.30	11.00	48.00	68.00	23.00	24.00	5.00	3.90
17	195.00	14.00	23.00	4-20	3.30	8_60	29.00	45-00	12.00	52.00	4-60	4.20
18	136.00	13.00	17-00	4.20	3.60	7.30	26.00	30.00	9.10	48.00	9-20	4.60
19	95.00	12.00	13.00	4.20	3.60	6.50	14.00	23.00	7.70	31.00	4,20	3.90
20	68.00	10.00	12.00	4.20	3.30	6.10	12.00	17.00	6.50	23.00	4.20	3.90
21	51.00	9.10	10.00	4-20	3.30	6.50	69.00	98-00	6 - 10	17.00	4.20	4.20
22	39.00	8,60	11.00	3.90	3, 30	8.60	301.00	72.00	6.10	18.00	4.20	3.90
23	31_00	8_10	13.00	3.90	3.30	6.90	243.00	45.00	5.70	15.00	4,60	3.60
24	25.00	7.70	11.00	3,90	6, 10	67.00	235.00	34.00	6.90	12.00	4.60	3.30
25	22.00	10.00	40.00	3.90	8.60	107.00	128.00	26.00	12.00	10.00	4.20	3.30
26	19.00	24.00	746-00	4.60	5.70	138.00	74.00	18.00	12.00	9.10	4.20	3.30
27	15.00	12.00	835.00	5.00	6.90	80.00	66.00	14_00	10.00	7.70	4.20	3.30
28	14.00	8.60	678.00	4.60	17.00	41.00	61.00	12.00	7.70	7.30	4.20	3.00
29	12.00		395.00	4.20	14.00	29.00	144-00	12.00	8_60	6.90	4.20	3.00
30	11.00		182.00	3.90	85.00	90.00	98.00	9-10	102.00	51.00	4.20	3.00
31	9.60		90.00		37.00		56.00	7.70		119.00		3.30
AN	94.35		116.86	10.54	8.93	42.02	107.71	74.86	12.45	60_65	8.44	3.7
CHES	3.073	1-152	3.806	0.332	0.291	1.324	3.508	2-438	0.392	1.975	0.266	0.12
A AV	0.814		1,299	0.172	0.402	3.212	3.284	3.305	1.599		0.786	0.42

NOTES: To convert mean daily discharge in CFS to IN/DNT, multiply by 0.00105056. Runoff data furnished by U.S. Geological Survey. Records are good to fair. STA NV based on 6 yr (1965-1970) record period.

1971		MEAN DAILY	DISCHARG	E (cfs)		V I	RO BEACH,	PLORIDA	(WILLIAMSO	N DITCH)	WATERSHEI	₩-5
Da y	Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.60	5.00	5.70	3.30	1.80	1.80	56.00	59.00	64.00	5.00	30.00	3.30
2	3.60	4.20	6.90	2.70	1.80	1.80	95.00	32.00	117.00	4-60	17.00	3,60
3	3.60	4-20	6.10	2.70	1.60	1.80	62.00	16.00	280.00	4-20	15.00	4.60
4	3.30	4.20	6.50	3.30	1.60	1.60	37.00	23.00	170.00	3.90	13.00	5.40
5	3.60	4.60	6.10	3.90	1.60	1.80	31.00	115.00	85.00	4.60	13.00	5.70
6	3.90	5.40	6.90	3.30	1.80	1.80	34.00	83.00	104.00	3.90	110.00	5.70
7	3.90	7.30	7.30	2.70	1.80	2.70	49.00	41.00	238.00	3.90	82.00	5.70
8	4.20	8.60	8.60	2.40	1.80	3.30	59.00	20.00	159.00	8.10	48.00	5.70
9	4.20	7.70	5.40	2.40	1.80	7.70	92.00	12.00	126.00	11.00	26.00	5.40
10	4.20	5.70	3.90	2.10	1.80	66.00	293.00	10.00	119.00	12.00	17.00	5.40
11	3.90	4.20	3,90	2.10	1.80	34.00	146.00	8.10	98.00	23.00	11.00	5.00
12	3.90	3.90	3.60	2.40	1.80	102.00	85.00	6.90	207.00	26.00	7.30	5.40
13	3.60	3.90	3.30	2.70	1.60	126.00	54.00	12.00	618.00	17-00	4,20	5.00
14	3.30	3.90	3.60	2.70	3.80	82.00	32.00	95.00	534.00	13.00	4_60	4-60
15	3.00	3.60	3.90	3.00	9.60	39.00	24.00	83.00	377.00	11.00	5.00	4.60
16	2.70	3.60	4.20	3.00	37.00	16.00	26.00	55.00	230.00	9.60	5.00	4.60
17	2.70	5.00	5.00	3.00	18.00	14.00	17.00	31.00	115.00	11.00	5.00	4.60
18	2.70	5-00	3.90	3.00	8.10	159.00	12.00	32.00	56.00	23.00	5.00	3.90
19	2.70	4.60	3.60	3.00	3.90	112.00	9.10	72.00	36.00	22.00	4.60	3.30
20	2.70	3.90	3.00	2.70	3.00	59.00	7.30	146.00	25.00	17.00	4-60	3.30
21	2.70	5.00	2.70	2.40	2.40	29.00	7.70	82.00	16.00	16.00	4.20	3.30
22	3.00	5-40	3.30	2,10	2.40	19.00	9.60	43.00	12.00	17.00	4.20	3.90
23	3.60	5.70	3.60	1.80	1.80	45.00	40.00	26.00	11.00	14.00	3.90	7.70
24	3.60	6.90	3.90	1.60	1.80	155.00	34.00	30.00		11.00		10.00
25	3.00	6.50	3.90	1.60	1.80	212.00	23.00	25.00	8.10	9.60	3.90	9.60
26	3.30	5.70	4.60	1.60	3.00	126.00	14.00	30.00	7.30	8.10	3.60	7.30
27	3.30	5.70	5.40	1.60	3.00	70.00	40.00	32.00	6.50	7.30	3.60	6.90
28	3.60	5.40	5.40	1.60	3.30	65.00	58.00	65.00	5.70	7.70	3.30	8.60
29	3.90		4.60	1.80	3.90	91_00	91.00	37.00	5.70	14.00	3.30	8.10
30	4.60		3.90	1.60	2.70	77.00	269.00	37.00	5-40	14.00	3.90	6.50
31	5.00		3.60		2.10		128.00	77.00		14_00		6.10
EAN	3.51	5.17	4-72	2-47	4,33	57.41	62.41	46.32	128.18	11.82	15.50	5.5
CHES	0.114	0.152	0.154	0.078	0.141	1.809	2.033	1.509	4.040	0.385	0.489	0.18
LY YA	0.714	0.416	1.135	0.159	0.365	3.012	3.105	3.049	1.947	2.260	0.744	0.39

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.00105056. Runoff data furnished by U.S. Geological Survey. Records are good to fair. STA AV based on 7 yr (1965-1971) record period.

WATKIBSVILLE, GEORGIA WATERSHED W-1 (10001)

LOCATION: Oconee Co., Ga.; 7 mi. S.W. of Athens, near Watkinsville, Ga., Oconee River Basin.

ARRA: 19.20 acres

BC	NTEL	PRECIP:	ITATION	AND E	DEOFF (inches	5)		WATKINSV	ILLE, GE	ORGIA	WATERSHE	BD W-1	(10001)		
		Jan	Peb	Har	Ap	r	Hay	Jun	Jul	Aug	Sep	Oct	Hov	Dec	3	Annual
	P	4.57	6.34	8.7	8 3.	95	3.33	2.84	7.35	7.40	5.08	3.00	4.38	38	34	60.86
1971	Q	0.007	0.270	1.6	42 0.	015	0.002	0.0	0.002	0.026	0.247	0.0	0.00	3 0.0	0	2.214
TA AV	P	4.73	4.68	6.00	0 4.	43	3_86	3.68	5.07	4.00	3.19	2.91	3.58	4.5	52	50.67
	Q	0.475	0.384	0.67	72 0.	435	0.372	0.219	0.384	0.323	0.036	0.063	0.29	7 0-2	230	3.890
	ABBU			HARGE	(in/hr) AND			S OF RUNO					INTERV	ALS	
	APPU	Haxis	iun	HARGE 1 Ho				aximum '	S OF RUNO Volume fo	r Selecte	ed Time		1	INTERV		Days
	Assu	Haxis	ium irge		our	2 E	8	aximum '	Volume fo	r Selecte	ed Time	Interva	1	 ays	8	Days Vol.
1971	APBU	Haxis Discha	ium irge Rate	1 Ho Date	Vol.	2 E Date	lours Vol.	aximum 6 Hor Date	Volume fo	r Selecte 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Da Date	ays Vol.	8 Date	Vol.
1971	ASSU	Haxir Discha Date I	ium irge Rate	1 Ho Date	Vol.	2 E Date 3- 3	Nours Vol.	aximum 6 Hoo Date 1	Volume fo ars 1 Vol. Da	r Selecte 2 Hours te Vol. 3 1.43	ed Time 1 Date	Interva Day Vol.	1 2 Da Date	ays Vol.	8 Date	Vol.
1971	APBU	Haxir Discha Date I	arge Sate	1 Ho Date 3- 3	Vol.	2 E Date 3- 3	Nours Vol.	6 Hor Date 3	Volume fo ars 1 Vol. Da 1.234 3-	r Selecte 2 Hours te Vol. 3 1.43	ed Time 1 Date	Interva Day Vol.	1 2 Da Date	ays Vol.	8 Date 3- 2	vol.

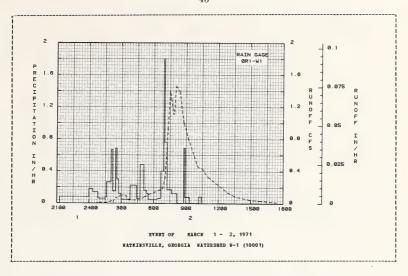
Legist stershed conditions: 971: Excellent ground cover of pastured Coastal Bernadagrass fertilized in Bay, July, 876 (1990) and 32.5 (1990) a

197	71 DA	ILY	AIR T	EMPE	RATU	RE (d						W.A				ORGI	A W.	TERS	HED V	i-1	(1000			
Day	Jan max		Pe max		no.		Ar max		Бa	У	Ju	n	Ju		λu		se max		Oc.		No max		De max	
1	50	30	37	18	70	48	71	36	74	50	87	50	85	69	83	68	81	70	88	65	77	69	48	30
2	59	26	44	24	61	56	61	41	73	44	86	60	85	68	85	70	81	70	88	65	80	69	46	30
3	51	28	37	28	56	31	67	29	62	40	86	64	84	68	88	70	82	67	87	58	72	50	35	30
4	66	46	35	29	43	26	70	32	69	37	92	63	83	66	90	68	82	68	84	61	6.3	36	40	33
5	64	44	60	34	58	21	59	41	77	45	92	63	84	68	89	70	86	70	86	60	61	32	40	37
6	48	34	66	26	60	29	55	38	85	50	94	64	83	69	84	70	87	69	80	62	71	50	47	40
7	51	28	45	33	53	35	62	37	81	60	90	67	87	69	88	69	85	66	74	50	61	36	68	47
8	38	32	52	24	46	30	69	35	81	63	85	67	88	68	89	68	84	66	73	44	53	28	62	40
9	38	32	29	17	58	24	75	34	78	52	85	65	90	67	90	71	86	64	65	58	43	27	62	36
10	43	37	40	12	46	33	77	48	72	50	80	64	90	70	87	72	87	66	68	43	62	36	66	53
11	56	39	56	16	64	30	78	39	76	50	85	68	91	70	89	70	88	69	72	38	69	38	74	49
12	68	42	62	23	64	38	81	41	80	64	90	63	93	70	84	69	84	63	80	47	70	44	78	50
13	54	36	51	23	63	42	81	54	66	52	91	65	85	69	84	67	78	59	76	46	74	47	70	45
14	68	48	46	17	76	53	72	42	74	46	92	69	91	71	84	64	85	58	83	50	70	46	70	43
15	60	36	58	25	71	49	73	40	62	60	95	67	83	69	86	63	89	63	78	66	71	42	72	52
16	44	30	65	30	67	45	78	38	78	56	89	66	80	66	72	70	83	66	84	66	79	45	78	61
17	48	29	69	37	55	31	83	40	85	51	77	67	88	69	77	67	74	65	77	63	67	46	62	42
18	45	32	72	35	61	25	88	48	84	52	83	66	90	68	85	63	77	67	68	56	69	45	50	27
19	33	19	70	40	59	41	80	58	84	56	81	67	86	70	88	69	82	66	73	51	72	44	56	23
20	42	15	71	54	48	33	86	52	83	58	88	68	82	70	89	67	86	66	68	62	58	40	63	46
21	53	18	59	52	59	31	76	58	80	59	90	68	87	67	90	70	87	68	66	62	57	32	70	48
22	60	43	69	49	57	44	78	51	81	49	89	70	82	69	83	70	72	66	71	62	50	26	57	41
23	61	34	54	36	54	41	54	46	83	58	89	67	84	66	85	72	76	65	71	63	38	32	42	34
24	49	34	61	32	56	30	71	48	80	67	91	65	88	71	86	68	85	61	73	60	38	32	62	38
25	52	45	70	30	37	30	76	51	76	60	94	66	84	70	85	68	70	62	76	56	57	31	66	39
26	58	33	55	38	37	31	82	49	84	50	97	67	84	70	84	68	82	60	79	50	51	30	72	8.0
27	33	23	68	41	60	28	76	50	88	51	91	70	87	71	88	68	84	62	78	50	59	35	71	42
28	50	22	63	33	70	36	80	60	84	59	90	67	87	66	86	59	82	62	77	52	56	30	75	55
29	62	28			64	46	76	56	72	53	88	67	84	69	82	62	82	62	76	56	65	44	66	50
30	64	54			62	37	62	50	76	50	86	69	78	70	81	68	89	60	72	64	55	33	71	52
31	60	24			67	31			86	57			80	69	82	70			80	68			65	44
AV.	53		56		58	36	73		78	53	88	66	86	69	85	68	83	65	76	57	62	40	61	42
MEAH	42.			. 3		. 9		.0	65		77			- 2	76			.7		. 6		. 1		. 7
STA AV	50	30	55	32	61	37	74	48	79	55	88	65	91	69	86	68	84	64	75	54	62	37	57	37

NOTES: STA AV based on 3 yr (1969-71) record period.

1 SELECTEI	RUNOFF EVENT			WATKI	NSVILLE, G	BORGIA	WATERSHED	W-1 (10001	3
ANTECEDENT	COMDITIONS			IBPALL			RUBOP	P	
	fall Runof hes) (inche	f Date	Time of Day	Intensity (in/hr)	Acc.		Time of Day	Rate (cfs)	Acc.
(440	, (22016	-, 20 241				30 201			(Tucnes)
		EVE	NT OF	HARCH 1 -	2, 1971				
EG OR1			EG OR 1						
	- 0	3~ 1	2117	0.0	0.0	3- 2	10	0.0	0.0
3- 2	0.0		2400	0.0810	0.22		40	0.005	0.0001
		3- 2	10	0.1800	0.25		48	0.008	0.0001
			20	0.1800	0.28		58	0.008	0.0002
ATERSHED CONDI	TTONE.		50	0.1400	0.35		140	0.013	0.0006
ATERSHED CONDI rmant Coastal			100	0_0600	0.36		208	0.029	0.0011
rmant Coastar rcellent cover			130	0.0600	0.36		215	0.029	0.0011
rcerrent coast			138	0.0750	0.39		230	0.024	0.0012
Day Anteceder	t Conditions:		203	0.2640	0.51		240	0.059	0.0018
Rainfall			212	0.6667	0.61		256	0.096	0.0023
Date (inches)				/			200	0.000	3,0034
1-31 0.24	0.0000		228	0.1500	0.65		325	0.098	0.0058
2-04 0.40	0.0000		235	0.6857	0.73		340	0.038	0.0067
2-05 0.58	0.0022		245	0.3000	0.78		448	0.038	0.0089
2-07 1.66	0.0970		300	0.1200	0.81		508	0.078	0.0099
2-08 0.26	0.0000		350	0.0480	0.85		534	0.114	0.0121
2-12 0.07	0.0000								
2-13 0.25	0.0000		425	0.2229	0.98		650	0.176	0.0216
2-20 0.57	0.0000		445	0.0600	1.00		703	0.311	0.0243
2-21 0.42	0.0000		505	0.4800	1.16		706	0.426	0.0252
2-22 1.52	0.0000		520	0.1600	1.20		710	0.516	0.0269
2-25 0.02	0.0000		530	0.1200	1.22		720	0.961	0.0332
2-26 0.54 2-28 0.05	0.0000		620	0.0480	1.26		730	1.405	0.0434
2-28 0.05 3-01 0.23	0.0000		640	0.0480	1.26		740	1.405	0.0434
3-01 0.23	0.0000		655	0.4000	1.38		749	1.110	0.0641
			700	1.8000	1.53		754	1, 110	0.0689
			715	0.7600	1.72		800	1.355	0.0009
			,.,	0.,000			000		3.0.33
			740	0.1680	1.79		804	1.460	0.0801
			810	0.1200	1.85		824	1, 390	0.1047
			848	0.0	1.85		846	1.010	0.1274
			855	0.6857	1.93		853	0.956	0.1333
			920	0.0720	1.96		911	0.810	0.1470
							4005		
			1010 1025	0.0 0.0800	1.96		1006 1014	0.446	0.1767 0.1798
			1025	0.0800	1.98		1014	0.444	0.1798
							1104	0.426	0.1854
							1254	0.317	0. 2176
							1234	0.12/	3.2170
							1334	0.080	0.2212
							1500	0.035	0.2255
							1550	0.035	0.2268
							1724	0.013	0.2283

NOTES: To convert runoff in CFS to IM/HB, multiply by 0.051653.

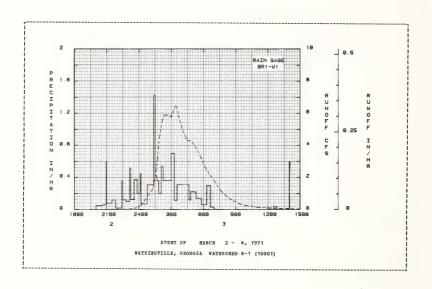


	PECEDENT C	ONDITIONS		RA	IBFALL			EUROF		
Dat Ho-1	te Bainfa Day (inch	all Runoff es) (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	lcc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EARI	T OF	HARCH 2 -	4, 1971				
	RG OR 1-	¥1		BG OR1						
3~	2 1.1	98 0.229	3+ 2		0.0	0.0	3- 2	1930	0.005	
				2037	0.0487			2100	0.005	
				2057	0.0600	0.05		2113		0.2298
				2100	0.6000	0.08		2230	0.021	
		rowa.		2130	0.0800	0.12		2252	0.020	0.2311
	SHED CONDIT	IOMS: ermudagrass		2150	0.1200	0.16		2313	0.055	0.2318
	lent cover.	or managraps		2225	0.0171	0. 17		2322	0.048	0.2322
ercer	rear cover.			2230	0.3600	0.20		2338	0.048	0.2322
30 Day	Interedent	Conditions:		2250	0.1200	0.24		2347	0.113	0.2339
oo bay	Rainfall	Runoff		2308	0.1000	0.27		2355	0.166	0.2349
Date	(inches)				1000				100	
01-31		0.0000		2315	0.5143	0.33	3- 3	5 12	0.254	0.2367
02-04	0.40	0.0000		2334	0.1263	0.37		12	0.263	
02-05	0.58	0.0022		2350	0.3750	0.47		32	0.537	0.2451
02-07	1.66	0.0970	3- 3	8	0.2000	0.53		50	0.859	0.2559
02-08	0.26	0.0000		12	0.4500	0.56		112	1.166	0-2751
02-12	0.07	0.0000								
02-13	0.25	0.0000		47	0.0686	0.60		122	1.454	
02-20	0.57	0.0000		122	0.3086	0.78		136	2.435	0.3098
02-21	0.42	0.0000		130	1.4250	0.97		144	3.182	
02-22	1.52	0.0000		140	0.4200	1.04		148	3,809	0.3412
02-25	0.02	0.0000		150	0.3600	1.10		154	4.512	0.3627
02-26	0.54	0.0000								
02-28		0.0000		205 215	0-2000	1.15		210	5-520	0.4318
03-01	1.76	0.0000		215 300	0.5400 0.3600	1.24		220 240	5.890 5.890	0.4809
03-02	1.76	0.2293		318	0.3600	1.72		240 300	5.890	0.5823
				334	0.7000	1.75		323	6.460	0.8825
				234	0.1125	1.75		323	0.460	0.0033
				440	0.3091	2.09		330	6.460	0.8422
				450	0.1200	2.11		340	5.855	
				509	0.2211	2.18		400	5.079	
				520	0.2182	2.22		424	4.385	1.0871
				550	0.1400	2-29		430	4.287	1, 1095

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.051653.

1 SE:	LECTED BUNO	F EVEST			WATKI	BSVILLE, 6	BORGIA	WATERSHED	W-1 (10001)
ABTECE	DENT CONDIT	TIOES		RAI	WPALL			RUNOF		
Date Bo-Day	Rainfall (inches)	(inches)	Ho-Day	of Day	Intensity (in/hr)	Acc. (inches)		Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	HARCH	2 - 4.	1971 (CO)	TTHERD)			
			3- 3	620	0.0600	2.32	3- 3	448	4.285	1.1759
				640	0.3000	2.42		508	4.056	1.2477
				700	0.0300	2.43		545	3.291	1.3647
				1234	0.0	2.43		610	2.634	1.4285
				1250	0.0375	2.44		640	2.114	1.4898
				1401	0.0	2.44		710	1.657	1.5385
				1405	0.6000	2.48		738	1, 154	1.5723
								819	0.785	1.6024
								838	0.613	1.6168
								920	0.358	1.6344
								958	0.237	1.6441
								1040	0.176	1.6516
								1106	0.144	1.6552
								1210	0.086	1.6615
								1310	0.058	1.6652
								1400	0.048	1.6675
								1620	0.018	1.6715
								1830	0.005	1.6728
								2100	0.003	1.6732
								2340	0.002	
								2340	0.002	1.6735
							3- 4	354	0.001	1.6738
								830	0.0	1.6739

HOTES: To convert runoff in CFS to IB/HR, multiply by 0.051653.



BLACKSBURG, VIRGINIA CRAB CREEK WATERSHED (13007)

LOCATION: Montgomery County, Va., 2 mi. W. of Christiansburg, Va., Hew River.

AREA: 786.00 acres 1.23 sq. miles

BC	STHLY	PRECIP	HOLTATI	AND RUNOP	F (inches	5)	В	LACKSBURG	, VIRGIEI	A CRAE	CREEK	WATERSHE	D (13007)
		Jan	Peb	Bar	Apr	на у	Jun	Jul	Aug	Sep	Oct	Bov	Dec	Annual
1971	P Q	1.72	4.46 1.065	2.20 0.357	3-00 0-251	7.43 0.570	3.10 0.395	4.47 0.289		3.62 0.239	5.58 1.056	2.14 0.431	0.79 0.369	41.36 5.541
STA AV	P Q	2.12 0.612	2.65 0.713	2.97 0.973	2.68 0.722	3.16 0.511	2.58 0.277	3.78 0.246		3.00 0.204	2-87 0-276	2.21 0.240	2.70 0.404	34.25 5.466
	ANHU	Maxie Dische Date	num irge	1 Hour Date Vol	2 1		Maximum 6 Ho	Volume fours 1	c Selecte	d Time	Interva	1 2 Day	's	8 Days
1971		Hawi:	num irge Rate	1 Bour	2 i Date	Tours Vol.	Maximum 6 Ho Date	Volume fours 1	r Selecte 2 Hours te Vol.	d Time 1 Date	Interva Day Vol.	1 2 Day Date V	s ol. Da	8 Days te Vol.

ROTES: Reteried conditions: Caltivated, alfalfa and other hay crops, 20%; row crop, 10%; persanent pasture, usually good cover of native bluegrass combined with other grasses and clowers, 43%; far woods precionately hard wood, 13%; idle, 5%; roads, 1%. For topographic map of watershed, see Mydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, 455A Misor, Pub. 1194, p. 13.7-5. Precipitation Theses weighted from rain gages R-1, R-2, R-3, and R-4. Station average precipitation determined from record period from August 1957 through 1971. For long-ties precipitation records, see Mational Weather Service records for Blackshurg, Virginia.

196	9 DAI	LY	AIR T	BHPE	BATUR	B (d	egree								IRGIN		CRAB	CREE	K WAS	FRSE	ED (1	3007)	
Day	Jan max mi	i.n	l'e max		na x		Ap		Hax		Ju max		Ju		Au max		Se		Oc max		No max		De	ec nin
1		10	48	43	30	26	58	31	65	43	87	62	86	66	79	63	82	63	68	50	55	53	43	25
2		15	46	38	36	28	69	46	73	43	80	50	86	65	86	64	77	64	76	58	64	54	45	22
3		18 7	40 38	24 20	42 42	26 25	73 67	49 47	50 84	48 52	72 76	46	88 87	65 62	76 70	63 61	74 74	64	69 75	57 51	63 50	43 39	42 28	27
5	29	ś	51	36	44	22	69	56	83	56	80	57	96	68	79	59	76	62	56	50	40	34	42	22
6		14	46	33	38	29	63	42	83	54	87	54	93	70	80	57	84	64	67	52	51	38	40	24
7		14	47	33	34	28	73	34	85	56	85	65	90	67	82	57	83	62	66	53	52	40	36	30
9		15 23	38 32	30 20	45 39	25 25	78 73	42 50	73 65	61	94 81	64 59	80 72	63	83 85	60 65	75 68	61 50	68	50 41	48 54	40	42	36
10		14	36	18	29	18	60	53	66	40	63	58	75	67	74	60	64	48	72	47	56	40	40	36
11	32 1	15	41	22	25	15	65	46	56	37	83	59	80	68	77	55	69	44	75	51	61	38	48	40
12		13	33	19	33	11	66	42	60	37	82	65	82	66	76	59	71	47	80	54	58	37	39	29
13		12	25	15	38	20	62	39	72	37	83	66	82	63	74	59	72	46	79	59	49	35	42	26
14 15		13 13	30 29	13 17	41	26 23	50 56	44	70 74	48 53	82 83	65 65	84 83	58 62	76 78	64 66	76 79	11B 53	61 53	45	42 30	20 17	47 36	32
16	40 2	23	32	22	53	24	76	54	72	55	67	52	90	62	74	67	79	53	66	48	53	24	32	22
17	52	30	42	20	60	27	80	50	75	55	70	53	90	64	81	66	78	60	55	39	56	36	37	21
18		42	43	27	48	38	66	57	68	59	80	61	91	67	80	67	76	56	63	35	59	40	40	22
19 20		35 30	39 43	26 24	65 67	36 39	65 57	35 34	72 82	60 59	84 85	62 60	90 89	68	79 78	66 60	56 55	50 52	76 78	40 52	59 36	28 26	38	25
21	38	32	48	27	59	37	68	42	77	55	86	61	87	66	78	58	56	52	64	45	44	22	37	2
22		34	31	26	52	30	56	41	82	56	81	64	85	66	73	58	66	51	58	35	58	26	35	26
23		40	44	29	56	28	47	37	78	59	80	65	84	69	78	52	70	47	49	30	59	38	34	24
24 25		33 22	41 34	33 29	56 49	39 35	53 69	37 37	80 77	57 57	89 87	64 67	84 84	68 67	79 84	54 56	70 72	58 54	50 52	28 36	58 53	39 31	35 28	25
26	32	6	29	24	41	28	78	43	80	50	90	64	86	62	79	59	75	52	64	48	52	37	30	2!
27		20	31	22	37	27	80	52	65	52	92	71	84	66	78	59	75	49	65	43	51	30	29	22
28	28	23		13	54	23	75	55	84	49	94	69	85	66	80	55	66	47	52	36	50	34	45	23
29 30		26			59	34	62	38	90	58	93	68	80	62	82	53	66	42	51	33	51	26	41	34
31		52 39			49 46	25 21	63	36	92 91	62 61	91	65	80 83	58 59	82 81	58 56	72	45	53 54	32 43	43	28	55 54	35
v.	39	22	39	25	46	27	66	44	75	52	83	61	85	65	79	60	72	54	64	45	52	34	39	27
EAN	30.0		31			. 3		-9		- 5		.9		. 0	69	. 4	62	. 8		-4	43	. 2		3. 1
TA AV	39 2	22	39	22	52	30	62	42	70	50	78	56	81	61	79	59	70	51	62	40	50	32	41	25

NOTES: Temperature data obtained at the R-3 rain gage location. STA AV based on 5 yr (1965-69) record period.

197	U DE	TTA	AIR I	KEPE	KATUB	E (d	egree	s P)				BLYC	K580R	G, V	IRGIN	T W	CKAB	CKEE	K SAT	FRSH	RD (1	3007		
Day	Ja max		Fe max		Max xsm		Ap max		nax		Jų max		Ju max		lu nax		Se max		0c max		No max		De max	
1	34	31	52	31	47	32	46	42	72	58	79	62	90	73	88	68	80	63	73	48	58	54	62	47
2	41	28	55	40	60	40	58	35	74	51	79	64	89	68	86	67	82	62	76	55	62	50	66	47
3	34	23	45	8	59	40	58	34	57	46	79	61	90	66	87	63	82	67	76	53	50	40	60	44
4	33	19	29	3	44	38	62	37	60	46	74	60	87	64	82	63	81	66	63	44	40	35	61	34
5	42	24	41	27	54	37	51	31	73	45	79	55	75	57	77	60	78	65	72	40	51	39	55	28
6	32	29	46	30	51	30	54	36	58	42	75	54	78	55	77	65	80	62	78	45	62	40	42	22
7	29	7	48	29	56	29	50	38	70	37	76	49	79	55	78	63	82	61	74	50	64	47	32	20
8	11	2	47	37	59	39	69	32	78	49	83	53	83	62	78	65	82	61	70	56	65	41	52	22
9	10	6	38	34	65	36	70	52	80 77	55 57	83	55	77	63	66	58	82	65	71	60	60	44	55	30
10	25	6	34	29	67	31	63	45	//	57	84	55	80	60	61	58	82	65	73	62	54	50	60	48
11	38	14	38	29	61	41	66	39	75	59	83	56	80	59	75	58	75	60	73	62	58	52	55	40
12	36	24	36	27	49	35	70	44	77	57	84	57	84	62	78	59	70	58	75	58	56	48	62	44
13	35	21	40	29	38	30	56	44	81	58	85	62	83	62	79	62	84	58	77	56	55	45	45	35
14	43	23	34	24	35	25	58	42	81	57	69	59	87	68	8.3	60	85	61	77	59	52	44	45	32
15	40	28	49	25	33	22	60	44	72	60	68	60	89	66	85	63	86	61	71	53	52	34	46	34
16	50	23	42	32	37	20	70	41	67	57	82	61	8.3	62	86	64	87	60	54	37	41	30	38	34
17	40	34	42	31	46	24	64	49	60	45	85	63	83	57	85	66	85	62	54	32	49	26	43	36
18	42	31	62	32	58	35	74	52	68	43	86	68	87	61	85	65	84	64	66	32	46	33	57	32
19 20	33 29	25	51 34	27	56 51	41	57	47	80	45	82 76	64	84	64	85	65	78	63	68	38	60	40	55	40
20	29	11	34	23	51	38	69	46	81	54	76	61	86	64	84	63	73	60	54	48	58	45	53	38
21	15	3	42	18	46	39	71	52	83	59	81	62	70	59	84	65	86	64	58	53	54	35	44	40
22	26	6	54	30	40	35	70	50	84	59	81	59	65	58	75	66	89	64	68	51	60	38	58	40
23	30	16	49	34	49	37	74	58	84	56	78	58	77	62	74	63	89	65	69	46	52	15	62	52
24	36 52	21	55 47	28	45 62	32	70	53 48	85 80	59 62	83	61	86 83	67	78 75	58	85 87	65	68 67	45 54	25 34	13	53	28
25	52	29	47	14	62	34	70	40	ou	02	04	04	0.3	67	/5	22	87	62	67	54	34	14	40	20
26	52	39	40	9	58	36	54	52	76	55	80	63	85	66	79	58	85	63	64	48	59	27	26	16
27	52	32	54	28	52	32	74	53	78	53	71	54	83	69	82	59	67	48	53	48	62	34	35	24
28	54	36	57	32	62	36	70	57	74	50	73	51	87	67	85	58	64	47	50	46	62	51	34	22
29	58	39			51	32	81	59	66	56	79	52	91	68	84	59	62	43	51	46	59	49	33	22
30	39	27 28			41 57	33	74	61	64 73	52 59	85	58	84	66	85	63 70	74	44	56 57	50 54	66	52	40 31	25
-		22	45		51	34	65	46		53		59	83	63		62		60		49	54		48	33
AN AV	39	22	35 40		42 52	31	63	-2	63	_4	69	.2	73	- 2	71	. 3	70	. 3	57	-9	46	. 6	400	8 . 0

NOTES: Temperature data obtained at the R-3 rain gage location. STA AV based on 6 yr (1965-70) record period.

197	1 DA	ILY	AIR T	EMPE	RATUR	E (d	egree						KSBUB	G, 1	IRGIN	IA	CRAB	CREE	K WAT	ERSE	ED (1	3007) 	
Day	Ja max		Pe max		nax		nax		max		Ju max		Ju max		aa x		Se max		Dax		Bax		De max	
1	35	26	14	0	62	40	64	39	64	36	79	52	82	65	82	65	78	60	66	62	72	62	38	2:
2	45	25	21	2	45	35	54	33	53	41	75	60	80	64	78	65	72	61	68	63	76	63	34	11
3	44	27	26	16	35	16	56	28	41	. 33	83	56	76	59	83	63	70	61	80	62	63	38	23	21
4	58	37	26	18	24	14	66	35	57	34	83	58	77	55	84	65	80	60	79	61	48	33	42	2
5	58	30	48	24	48	17	62	42	68	40	87	62	80	53	66	61	82	63	75	62	51	26	36	2
6	36	26	46	28	57	28	46	30	63	52	88	60	84	64	71	60	86	62	70	53	59	36	49	3
7	31	23	36	30	42	20	41	29	62	51	87	61	83	63	82	62	83	64	59	42	52	22	66	4
8	30	23	31	15	28	18	58	36	69	51	80	60	84	61	81	57	86	57	62	35	41	17	53	4
9	47	24	18	6	40	18	71	34	66	46	78	58	89	63	88	60	84	57	57	48	41	25	58	4
10	53	28	23	1	41	29	58	36	71	44	75	57	88	63	84	66	80	60	57	43	48	31	62	44
11	56	37	46	12	49	31	70	33	67	49	81	56	86	64	84	65	75	64	65	44	56	33	60	4
12	48	40	49	30	58	31	75	40	68	55	77	58	74	58	78	60	66	55	72	44	62	37	62	4
13	41	34	41	15	65	40	79	50	66	43	77	62	82	61	80	54	66	56	70	46	67	46	68	4
14	60	41	24	9	67	40	64	36	68	42	80	61	80	66	82	52	73	56	73	50	51	40	53	3
15	51	25	39	18	59	46	60	33	58	48	78	60	82	62	84	52	86	53	74	推特	70	42	62	5
16	31	23	45	24	59	33	66	35	66	49	62	56	82	58	80	56	80	60	62	56	70	47	68	5
17	35	27	54	28	33	24	73	38	78	52	6.5	56	84	59	70	64	76	57	64	54	66	38	51	- 10
18	32	18	60	34	52	20	72	54	81	51	67	60	83	62	68	62	64	62	63	46	68	39	27	- 1:
19	24	14	62	37	48	30	74	47	82	54	79	60	76	64	81	62	72	62	69	42	60	41	45	1
20	30	15	63	45	32	24	77	45	79	56	81	61	76	59	84	60	79	64	54	53	47	30	54	3
21	43	20	57	36	48	24	69	46	68	52	79	61	73	58	84	65	65	57	56	52	45	27	60	3
22	45	38	49	41	56	36	52	38	66	48	76	59	80	56	78	63	57	54	60	54	29	17	42	2.
23	46	33	42	29	36	21	42	36	70	41	75	62	79	57	82	63	75	54	59	56	30	16	34	18
24	35	30	38	28	32	16	59	35	70	56	83	62	79	60	79	55	71	54	68	56	30	23	55	30
25	56	36	54	29	41	17	65	40	74	56	86	61	78	62	82	54	60	52	66	55	30	21	58	30
26	47	20	52	42	27	22	66	48	74	50	83	64	80	66	81	58	74	53	65	49	40	19	60	4
27	19	12	60	42	46	23	62	38	68	51	87	63	78	59	82	62	81	58	64	49	42	31	62	4
28	27	16	56	35	64	37	70	44	52	44	89	64	82	56	75	55	80	62	73	49	44	33	60	35
29	42	18			53	45	61	39	47	43	84	62	80	67	79	52	76	58	72	50	42	35	58	30
30	50	25			44	28	60	34	56	46	83	62	76	62	83	51	74	59	71	53	41	29	62	27
31	24	5			59	31			76	51			74	62	83	54			66	60			50	
-		26		24	47	28		38		47		60	80	61	80	59	75		66			33	52	
A AV	33		40	- 2	37 51	- 2	50	. 8		50	69	-7	70	- 6	69	. 7	66	.8	59	-0	51	33		27

NOTES: Temperature data obtained at the E-3 rain gage location. STA NV based on 7 yr (1965-71) record period.

1971	DA	ILY PRECI	PITATION	(inches)		PLAC	KSBURG, V	IRGINIA	CRAB CREEK	WATERSHED	(13007)	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Boa	Dec
1	0.05S	0.0	0.01	0.0	0.0	0.0	0.40	0.12	0.0	0.39	0.01	0.0
2	0.0	0.0	0.35	0.07	0.09	0.0	0.0	0.03	0.0	0.02	0.02	0.0
3	0.0	0.29₫	0.835	0.0	0.068	0.0	0.0	0.0	0.02	0_0	0.55	0.06
4	0.15	0.52H	0.015	0.0	0.0	0.0	0.0	1.40 0.00	0.0	0.0	0.0	0.01
5	0_17	0.66E	0_0	0.0	0.10	0.0	0-0	0.00	0.0	0. 19	0.0	0.01
6	0.0	0.0	0.0	1.21E	0.95	0.07	0.20	0.02	0.0	0.02	0.0	0.09
7	0.0	0.638	0.055	0.39E	0.78	0.50	0.0	0.0	0.0	0.0	0.0	0.29
8	0_0	0.478	0.0	0.0	0.12	0.12	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0-0	0.77	0.0	0.0
10	0.0	0.0	0.095	0.0	0.0	0.0	0.0	0.0	0_0	0.05	0_0	0.0
11	0.0	0.0	0.01S	0.0	0.0	0.08	0.60	0.50	0.27	0.0	0.0	0.0
12	0.0	0.10B	0-0	0.0	1-27	0-42	0.12	0.0	1.06	0.0	0.0	0.25
13	0-22	1.165	0.0	0.0	0.27	0.04	0_0	0.0	0.0	0.0	0.0	0.0
14	0.11	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0
15	0.08	0.0	0.22	0.0	0.54	0.57	0.0	0.0	0.0	0.17	0.0	0.0
16	0.0	0.0	0.0	0.0	0.12	0.35	0.94	0.0	0.25B	0.47	0.0	0.0
17	0.025	0_0	0.0	0.0	0.0	0.0	0.11	0.22	0.0	0.01	0.0	0.02
18	0.0	0.0	0_0	0_0	0.0	0.0	0.05	0.03	0.19	0.01	0.0	0.01
19	0.0	0.0	0.08	0.0	0.0	0.03	0.24	0.0	0.32	0.01	0.10	0.02
20	0.0	0.04	0.035	0_0	0.53	0.0	0.0	0_0	0.64	0. 15	0.0	0.04
21	0.0	0.02	0.0	0.22	0.0	0.0	0.0	0.0	0.05E	0.06	0.13	0.0
22	0.27	0.53	0.01	0.01	0.0	0.20	0.0	0.53	0.0	0.20	0.02S	0.0
23	0.42	0.0	0.0	0.20	0.0	0.21	0.0	0.0	0.83E	0.94	0.035	0.0
24	0.135	0.0	0.0	0.01	0.0	0.0	0.16	0.0	0.0	0.18 1.85	0.845	0.0
25	0.05	0.0	0.11S	0.0	0.0	0.0	0.04	0.0	0.0	1.85	0.0	0.0
26	0.0	0.04	0.395	00	0.0	0.0	0.08	0.0	0.01	0.0	0.0	0.0
27	0.0	0.01	0.0	0.46	0.03	0.0	0.0	0.01	0.0	0.0	0.12S	0.0
28	0.01S	0.0	0.0	0.43	0.81	0.0	0.0	0.0	0.0	0_0	0.0	0.0
29	0.0		0.0	0.0	1-21	0-39	0.57	0.0	0.0	0-0	0.32	0.0
30 31	0.04		0.0	0 0	0.56	0.0	0.76 0.20	0.0	0.0	0.0 0.10E	0.0	0.01
31	0.0		0.0		0.0		0.20					
TAL	1.72	4.46	2+20	3.00	7.43	3.10	4.47	2.86	3.62	5.58	2.14	0.79
A AV	2.12	2.65	2.97	2.68	3, 16	2.58	3.78	3.52	3.00	2.87	2.21	2.70

HOTES: Precipitation amounts are Thiessen weighted values from rain gages B-1, R-2, R-3, and B-4. STA AV based on record period laggest 1957 through 1971.

197	1	MEAN DAILY	DISCHAR	EE (cfs)		BLAC	SBURG,	AIRGINIY	CRAB CREE	K WATERSH	ED (13007)	
Day	Jan	Feb	Mar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.148	0-269E	0.301	0.159	0.190	0.887	0.575	0.284	0.174	0.216	0.646	0.578
2	0.119	0.301E	0373	0-159	0.190	0.701	0.326	0.235	0.174	0.294	0.560	0-499
3	0.087	0.301E	1.208	0.159	0.190	0.594	0.273	0.210	0.187	0.238	1.135	0.415
4	0.183	0.301	1.079	0.159	0.162	0.532	0-241	4.339	0.179	0.213	0.609	0.405
5	0.364	3.461	0.801	0.159	0.163	0.470	0.236	0.980	0.174	0-210	0.521	0.407
6	0.203	0.865	0.681	0.259	0.281E	0-417	0-250	0.473	0.167	0.245	0.499	0.395
7	0.143	3,328	0.566	0-633	0-555E	0-441	0.245	0.368	0.159	0.222	0-499	0.690
8	0-117	4.878	0.448	0.815	0.487E	0.547	0.222	0.290	0. 159	0.222	0.459	0.525
9	0.111	0.877	0.388	0.693	0-388E	0.411	0.212	0.254	0.159	0.258	0.436	0.468
10	0.111	0.596	0.384	0.426	0.291	0.368	0.212	0.254	0.159	0.484	0.416	0.436
11	0-111	0.536	0.403	0.366	0.239	0.341	0.462	0.399	0.186	0.276	0.388	0.413
12	0.111	0.439	0.349	0.321	0.655	0.387	0.263	0-400	1-000	0.222	0.388	0.471
13	0.114	10-240	0.324	0-277	2.058	0.395	0.235	0.239	0.282	0.222	0.368	0.491
14	0.136	1-114	0.301	0.238	0.898	0.370	0.212	0-212	0.199	0.210	0.341	0.388
15	0.116	0.819	0.350	0.222	0.806	0.387	0.210	0.190	0.177	0.206	0.341	0.388
16	0.111	0.631	0.315	0.222	1.153	1.222	1.482	0-190	0.188	0.336	0.341	0.388
17	0107	0.511	0.301	0.222	0.768	0.513	0-262	0-214	0.196	0-401	0.341	0.388
18	0.105	0.430	0.277	0.222	0.572	0.400	0.235	0.222	0-205	0-274	0.341	0.388
19	0.160	0.420	0.254	0.222	0-499	0.362	0.256	0-222	0.222	0.243	0.348	0.388
20	0.184	0.473	0.238	0.195	0.558	0.334	0.237	0.207	0.320	0.262	0.341	0.410
21	0.154	0.406	0.222	0-212	0.625	0.324	0.213	0.190	0.287	0.323	0.373	0.359
22	0.130	0.847	0.222	0-207	0.411	0.268	0.214	0.301	0.226	0.343	0.341	0.312
23	0.242	0.913	0-222	0.216	0.366	0.391	0.208	0.235	0.975	0.979	0.345	0.301
24	0.175E	0.584	0-222	0-207	0.341	0.322	0-195	0.208	0.477	1-103	0.355	0.301
25	0.190E	0.479	0.222	0.190	0.326	0.281	0.214	0.182	0.250	20.945	0.323	0.301
26	0.190B	0.417	0.222	0.190	0.301	0.280	0.213	0 182	0.222	1.681	0.301	0.301
27	0.190E	0.400	0-278	0,191	0.288	0.269	0-208	0.182	0.208	1, 129	0.380	0.301
28	0.190E	0.323	0.282	0.353	0-477	0-244	0.190	0.179	0.190	0.915	0.550	0-301
29	0.190E		0-205	0.197	1.027	0.318	0.250	0.178	0. 190	0.807	1. 136	0.255
30	0.174E		0.178	0.190	2-175	0.278	0.434	0.173	0. 190	0.725	0.819	0.254
31	0.1358		0. 159		1.377		0.572	0.174	150	0.682		0.254
EAN	0.1549	1.2557	0,3799	0.2761	0.6069	0.4352	0.3084	0.3988	0.2627	1.1254	0.4746	0.392
NCHES	0.145	1.065	0.357	0-251	0.570	0.395	0.289			1.056	0.431	0.36
VA AT	0.612	0.713	0.973	0-722	0.511	0.277	0.246			0.276	0.240	0-40

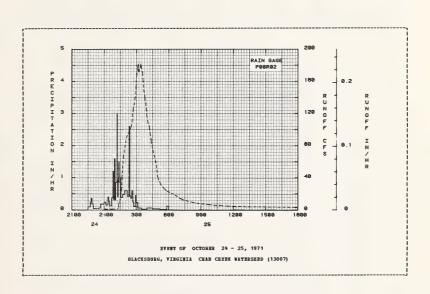
NOTES: To convert CPS to IM/DAY, multiply by 0.030281. STA AV based on record period August 1957 through 1971.

ANTECED	ENT CONDIT	TIONS		PAT	NPALL			RUNCE	· P	
Date Ho-Day	Rainfall (inches)		Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EAE	BT OF OCT	OBBE 24 -	25, 1971				
R	G P08R02			RG POSE	02					
10-24	0.01	0.033	10-24	2230	0.0	0.0	10-24	2400	0.848	0.0
				2243	0.0923	0-02	10-25	20 100	0.848	0.0004
				2248	0.2399 0.3599	0.04		100	0.935 1.030	0.0012 0.0015
				2300	0.1715	0.09		119	1. 308	0.0016
WATERSHED	CONDITIONS			2330	0.0400	0.11		120	3.043	0.0016
ombined wi	asture, blu th other na	itive		2340	0.0600	0.12		121	6.649	0.0016
casses and	clover, go	ood		2350	0.1800	0 15		122	7.997	0.0018
over, 43%;	row crop,	10%;	10-25	2400 10	0.1800	0.18 0.22		126 128	10.121 11.857	0.0026
over, 28%:	other hay,	weeds,	10-25							
rasses, an	i vines, qu	bod		22	0.1500	0.25		130	13.362	0.0037
over, 5%;	farm woods	d. 13%+		25 32	0.4001	0.27		135 138	20-258 25-576	0.0054
aved roads	ly hard woo	, 15,8,		42	0.1199	0.30		139	28-167	0.0074
				50	0.3750	0.37		140	40.063	0.0081
				54	1,2000	0.45		148	65.885	0.0170
				58	0.3001	0.47		204	90.034	0.0435
				101 105	1.6000	0.55		231	103.388	0.0983
				105	0.2998 0.8572	0.57		238	113.311	0.1143 0.1213
				114 116	3.0002 0.9000	0.77		244 248	128-536	0.1294
				116	0.9000	0.80		248 254	130.905	0.1403 0.1577
				122	1.0001	0.87		258	156.069	0.1702
				124	1.5001	0.92		301	168.599	0.1806
				131	0.8572	1.02		302	168,282	0.1839
				134	0.9998	1.07		303	170.676	0-1872 0-2017
				145 155	0.3819	1.14		307 308	174.440	0.2017
				210	0.6000	1.37		308	181.343	0-2097
				222				240		
				220 223	0.4200 2.5998	1.44 1.57		310 311	176.969 174.741	0.2132
				230	0.4286	1.62		312	171.793	0.2210
				235	0.3600	1.65		315	172,776	0.2320
				240	0.6000	1.70		316	175.082	0.2354
				245	0-2400	1.72		322	177.325	0.2571
				256 300	0.1090 0.4502	1.74		324 334	181-565 170-501	0.2651
				308	0.2250	1.80		335	166,753	0.3057
				330	0.0545	1.82		336	163.448	0.3090
				400	0.0200	1.83		338	158.843	0.3161
				430	0.0600	1.86		341	149-047	0.3252
				450 510	0-0300	1.87		347	141.423	0.3438
				510 550	0.0300	1.88 1.89		349 352	136.390 132.530	0.3500 0.3580
				600	0.1200	1.91		354 356	126.317 122.821	0.3637 0.3686
								400	114.627	0.3791
								406	107.929	0.3928
								412	102.984	0.4063
								414	99.116	0.4103
								416	95.368 87.775	0.4146
								422 424	87.775 82.655	0.4259
								450	58.324	0.4683
								858	81 633	0.4767
								505	41.633 37.519	0-4826
								518	30.608	0.4918
								546 552	24.165 22.889	0.5080 0.5109
								606	21,716	0-5175
								620 626	19.758 19.766	0.5236 0.5260
								706	13.941	0.5402
								724	12.166	0.5452
								824	8.718	0.5584
								908	7-284	0.5658
								920	7-284	0.5676 0.5711

NOTES: To convert CFS to IM/HR, multiply by 0.0012617.

ANTECEDENT CONDIT	TOTS		RAI	BPALL			BUROF	P	
Date Bainfall Bo-Day (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Bo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		EVENT OF	OCTOBER	24 - 25,	1971 (CO)	PTIEUED)			
		D. D	00102211						
						10-25	1104	4.930	0.5806
							1128	4.692	0.5830
							1216	4.224	0.5875
							1340	3,796	0.5946
							1740	3.202	0-6123

HOTES: To convert CFS to IM/HB, multiply by 0.0012617.



BLACKSBURG, WIRGINIA BRUSH CREEK WATERSHED (13008)

LOCATION: Ployd County, Va.; 1 mi. W. of Terrys Pork, Va. Little River, New River.

AREA: 893.00 acres 1.40 sq. miles

80	OMINE	PRECIE	HOITATION	AND RU	HOFF (i	inches	5)	E	LACKSBU	RG, VI	RGINIA	BRUS	H CREEK	WATER	SHED (13008)
		Jan	Feb	Mar	Apı	c	нау	Jun	Jul	Aug	S	ep	Oct	Nov	De	С	Annual
1971	P Q	1.02 0.966	3.67 5.272	1.29			7.71 2.326	3.57 1.550	3.58 1.008	1.5		-20 -862	6.67 2.086	2.04		68 323	39.04 20.476
TA AV	P Q	2.13 1.687	2.84 2.062	2.97 2.15			3.48 1.522	2.51 0.980	3.78 0.880	3.5 0.8		.41 .009	3.21 1.186	2.42		73 461	35.96 16.745
	AFT	Sazi	 BUB				в	axiaus	Volume	for Se	lected	Time	SELECTE Interva	 L			
	AFI		sua arge	CHARGE 1 Ho Date	ar	2 E		aximum 6 Ho	Volume urs	for Se	lected	Time		 L	ays	8	Days
1971	ANT	Bazi	sus arge Rate	1 Ho Date	ur Vol.	2 E Date	ours Vol.	aximum 6 Ho Date	Volume urs Vol.	for Se 12 Ho Date	lected urs Vol.	Time 1 Date	Interva:	l 2 Da Date	ays Vol.	8 Date	vol.
1971	APT	Razi Disch Date	sus arge Rate	1 Ho Date	ur Vol.	2 E Date 5-20	ours Vol.	aximum 6 Ho Date 5-20	Volume urs Vol.	for Se 12 Ho Date 5-20	lected urs Vol.	Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Date	vol.

LOTES: Materahed conditions: Personnel partney, smally a fair cover of native graness, 33%; far woods a mixture of hardwords an conterny, 38%; four coppe, 35%, inc. 39%; also, 13%, contents, 28%, resurgely on the case of hardwords and content of the content of

į	1971	DA	ILY PRECI	PITATION	(inches)		BLACE	SBURG, V	IRGINIA	BRUSH CREE	K WATERSE	ED (13008)
I	a y	Jan	Peb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	0.035	0.0	0.0	0.0	0.0	0.0	0.05	0.01	0.0	1.08	0.14	0.0
1 2		0.0	0.0	0.12	0.03	0.01	0.0	0.0	0.11	0.0	0.09	0.05	0.0
1 3		0.0	0.225	0.605	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.37	0.135
1 4		0.06	0.44E	0.01S	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0
! 5	5	0.16	0.602	0.0	0.0	0.08	0.0	0.0	0.01	0.0	0.08	0.0	0.01E
. 6		0.0	0.0	0.0	1.44E	0.92	0.0	0.11	0.0	0.03	0.07	0.0	0.08E
1 7		0.0	0.395	0.035	0.35E	0.46	0.09	0.0	0.0	0.0	0.0	0.01	0.35
į 8		0.0	0.258	0.0	0.0	0.02E	0.32	0.0	0.0	0.0	0.0	0.0	0.0
	9	0.0	0.0	0.0	0.0	-0 - 0	0.0	0.01	0.0	0.0	1.03	0.0	0.0
1 10)	0.0	0.0	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0
1 11		0.0	0.0	0.035	0.0	0.0	0.01	0.10	0.37	1.10	0.0	0.0	0.0
1 12		0.0	0.09	0.0	0.0	0.91	0.35	0.12	0.0	0.71	0.0	0.0	0.05
1 13		0.20	0.908	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0_0	0.0
1 14		0.03	0.0	0.0	0_0	0_0	0.07	0.0	0.0	0.0	0.0	0.0	0.0
1 15	5	0.06	0.0	0.07	0.0	0.52	0.42	0.0	0.0	0.0	0.0	0.0	0.0
1 16		0.0	0.0	0.0	0.0	0.14	0.91	0.27	0.0	0.07	0.41	0.0	0.0
1 17		0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.07	0.0	0.02	0.0	0.01
1 18		0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.06	0.23	0.03	0.0	0.0
1 19		0.0	0.0	0.02	0.0	0.0	0.0	0.09	0.0	0.47	0.02	0.08	0.02
20)	0.0	0.04	0.0	0.0	1.73H	0.0	0.0	0.0	1.35	0.28	0.0	0.02
21		0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.12	0.12	0.05	0.0
1 22	2	0.14	0.63	0.01	0.01	0.0	0.30	0.0	0.52	0.02	0.26	0.0	0.0
23		0.18	0.0	0.04	0-24	0.0	1.03E	0.0	0.0	0.10	1.65	0.0	0.0
1 24	à.	0.13	0.0	0.0	0.01	0.0	0.0	0.04	0.0	0.0	0.05	0.905	0.0
25	5	0.0	0.0	0.065	0.0	0.0	0.0	0.0	0.0	0.0	1.11	0.0	0.0
26		0.0	0.02	0.275	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
27	7	0.0	0.10	0.0	0.10	0.02B	0.0	0.0	0.0	0.0	0.0	0.205	0.0
28		0.0	0.0	0.0	0.70	0.76E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25		0.0		0.0	0.0	1-26B	0.05	1.74	0.0	0.0	0.0	0.24	0.0
3 (0.02		0.0	0.0	0.47E	0.0	0.43	0.0	0.0	0.0	0.0	0.0
31	1	0.0		0.0		0.01E		0.28	0.0		0.25		0.0
TOTAL		1.02	3.67	1.29	3.04	7.71	3.57	3.58	1.57	4.20	6.67	2.04	0.68
STA 1	l V	2.13	2.84	2.97	2.90	3.48	2.51	3.78	3.58	3.41	3.21	2.42	2.73

HOTES: Precipitation amounts are Thiessen weighted values from rain gages R-1 and R-2. STA AV based on record period August 1957 through 1971.

197	1	MEAN DAIL	DISCHAR						BRUSE CRI		HED (1300	B)
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.900	0.776E	1.309E	0.987	1.052	2-474	1.167	1.236	0.575	2.379	2.287	1.864
2	0.909	0.846E	1.683E	1.113	1.081	2.013	1.164	1.176	0.585	2.731	1.980	1.587
3	0.895	0.846E	3.279E	1.012	1.177	1.808	1.100	1.004	0.619	1.318	2.998	1.647
4	2.324	3.220E	2.143B	0.940	1.039	1.616	1.004	1.694	0.620 0.629	1.095	1.792	1.554
5	3.627	17.401E	1.819E	0.963	1.040	1.498	0.961	1.359	0.629	1.060	1.792	1.004
6	1.539	14-309E	1-695E	2.461	3.194	1.384	1.040	1, 179	0.606	1.184	1.738	1.985
7	1. 171	13.828E	1.509B	3.017	3,104	1.379	1.001	1.014	0.584	0.938	1.624	3.579
8	0.997	14.350E	1.374E	4.938	2.286	1.795	0.925	0.912	0.569	0.897	1.580	2.363
9	1.005	14.533E	1.339E	3.105	1.606	1.431	0.889	0.823	0.551	3.033	1.601	2.004
10	0.985	15. 195B	1.304E	2.082	1.337	1.315	0.876	0.805	0.537	2.639	1.543	1.847
11	0.935	15.815E	1.227	1.694	1.251	1-226	0.939	1.127	1.987	1.453	1.491	1.646
12	1.003	14.9788	1.258	1.450	1.798	1.547	1.115	1.026	2.625	1.194	1.423	1.620
13	1.061	14.784E	1.207	1.327	5.565	1.500	0.946	0.841	1.130	1.079	1.423	1.592
14	1.528	13. 191B	1.165	1.242	2.388	1.414	0.882	0.793	0.793	1.031	1.423	1.531
15	1.254	13.280E	1.280	1.192	2.289	1.572	0.830	0.689	0.691	1.000	1.423	1.531
16	1-087	8.384E	1.134	1.157	3.759	4.856	1.108	0.669	0.677	1.566	1.393	1.472
17	0.979	1.420B	1.063	1.127	2,165	1.984	0.822	0.786	0.704	1.420	1.351	1.423
18	0.909	1.348E	1.052	1.096	1.678	1.662	1.155	0.934	0.899	1.239	1.351	1.295
19	0.832	1.461E	1.127	1.063	1.431	1.432	1.265	0.828	1.429	1.114	1.435	1.418
20	1.116	1.828E	1.094	1.063	10.901	1.328	0.947	0.728	4.402	1.434	1.399	1.534
21	0.722	1.577B	0.996	1.175	5.186	1.266	0.851	0.687	2.148	1.795	1.351	1.394
22	0.946	3.595E	1-050	1-209	2.448	1.710	0.811	1.321	1.446	1.934	1.258E	1.372
23	1,592	2.788E	1.066	1.463	1.890	8.757	0.741	0.926	1.200	10.293	1.2792	1.351
24	1.079	1.890E	0.971	1.249	1.721	2.840	0.779	0.714	1.110	6.576	11.563E	1.351
25	1.425	1.643E	1.009	1.018	1.568	1.848	0.866	0.675	0.935	13.978	6.8172	1.328
26	1.215	1.596E	1.120	1.000	1,353	1.516	0.864	0.677	0.899	3.434	4.736E	1.305
27	0.8603	1.581E	1.609	1.006	1.340	1.358	0.766	0.649	0.891	2,532	5.578B	1.279
28	0.846E	1.339E	1.523	2,883	2.999	1,232	0.712	0.629	0.868	2.106	3.424	1.279
29	0.846E		1.226	1.264	6.735	1.228	6.590	0.592	0.825	1.899	3.344	1.279
30	0.846E		1.047	1.140	7.923	1.173	1.953	0.581	0.823	1.806	2.379	1.279
31	0.792E		1.017		3.962		2.741	0.583		2.112		1.279
SEAN	1. 1686	7.0642	1.3449	1.5478	2.8149	1.9387	1.2197	0.8922	1.0786	2.5247	2.4983	1,6008
INCHES	0.966	5.272	1.111	1,238	2,326	1.550	1.008	0.737	0.862	2.086	1.998	1.323
STA AV	1.687	2.062	2.152	1.742	1.522	0.980	0.880	0.845	1.009	1.186	1.219	1.461

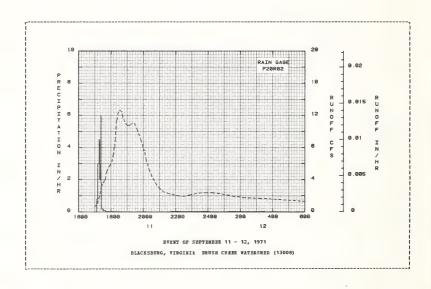
BOTES: To convert CFS to IM/DAY, Bultiply by 0.026652. STA AV based on record period August 1957 through 1971.

ANTECEDENT CONDITIONS			INPALL			RUBOP		
Date Rainfall Bunoff Bo-Day (inches) (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho~Day	Time of Day	Rate (cfs)	Acc. (inches)
	EAE	NT OF SEPT	TEMBER 11 -	12, 1971				
BG P20B02		BG P20E	102					
9-11 0-20 0-014	9-11	1707	0.0	0.0	9-11	1700	0.693	0.0
		1708	0.6002	0.01		1704	0.792	0.0001
		1711	0.8001	0.05		1710	1.063	0.0002
		1713	2.9995	0.15		1718	1, 963	0.0004
		1716	2.9997	0.30		1725	3.368	0.0007
ATERSHED COMDITIONS: rmanent pasture of native		1718	4.5009	0.45		1726	3.467	0.0008
asses, good cover, 33%;		1721	2.0000	0.55		1728	3,323	0.0009
ods, mixture of pine and		1722	3.0009	0.60		1735	3.845	0.0014
rdwood with considerable		1723	5.9954	0.70		1736	3.962	0.0015
dergrowth, good cover,		1724	1.8013	0.73		1739	4. 106	0.0017
%; hay, 20%; row crop, 4%;								
le land, 7%; roads, 2%.		1731	0.1713	0.75		1743	4.880	0.0020
		1740	0.0667	0.76		1748	5.313	0.0025
		1830	0.0120	0.77		1752	5.610	0.0029
		2142	0.0	0.77		1759	5.952	0.0037
		2400	0.0304	0.84		1803	6.231	0.0041
	9-12	115	0.0	0.84		1810	7.384	0.0050
		330	0.0133	0.87		1812	8.032	0.0053
						1814	8.140	0.0056
						1816	9.013	0.0059
						1817	9,662	0.0061
						1819	10.697	0.0065
						1820	11.382	0.0067
						1822	11.463	0.0071
						1826	12.273	0.0080
						1828	12.453	0.0085
						1832	12.642	0.0094
						1840	12,453	0.0113
						1844	11.769	0.0122
						1855	10.940	0.0145
						1904	10.697	0.0163

NOTES: To convert CFS to IN/HR, multiply by 0.0011105.

	DENT CONDIT	PIONS		RAI	NPALL			RUNOF	P	
Date	Rainfall (inches)	Runoff	Date Ho-Day		Intensity (in/hr)			Time	Rate	Acc. (inches
			RARRI OL	SEPTEMBER	11 - 12,	19/1 (00)	BITHORD)			
							9-11	1908	10.751	0.0171
								1920	11,057	0.0195
								1927	10.976	0.0209
								1940	10.013	0.0234
								1951	8.923	0.0253
								2002	7.708	0.0270
								2004	7.636	0.0273
								2012	6.231	0.0283
								2022	5.241	0.0293
								2032	4-385	0.0302
								2050	3.314	0.0315
								2104	2,791	0.0323
								2119	2.413	0.0330
								2138	2.224	0.0338
								2216	1.927	0.0353
								2236	1.954	0.0360
								2252	2.080	0.0366
								2300	2.179	0.0369
								2336	2.368	0.0384
								2400	2.359	0.0395
							9-12	16	2,350	0.0402
								44	2.242	0.0414
								132	1.927	0.0433
								220 320	1.729	0.0449

HOTES: To convert CFS to IM/HR, multiply by 0.0011105.



BLACKSBURG, VIRGINIA LITTLE WINDS CREEK WATERSHED (13010)

LOCATION: Halifax County, Va., 3.5 mi. SW of Tuberville, Va., Winns Creek, Dan River.

AREA: 1471.00 acres 2.30 sq. miles

HO	BTHLY	PRECIP	ITATION	AND RUNOF	f (inche:	5)	BLACKS	BURG, VIRG	INIA LI	TTLE W	INNS CRE	EK WAT	EBSHED	(1301	0)
		Jan	Peb	Bar	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec		Annual
1971	P Q	1.67 0.624	4.63 1.470	3.28 1.028	2.68 0.811	7.21 1.340	2.48 0.476			4.84 0.841	6.66 1.580	2.90 0.80			47.19 10.928
TA AV	P Q	2.91 0.895	3.36 1.202	3.35 1.241	2.82 0.929	3.78 0.838	3.05 0.556			2.84 0.376	3.21 0.637	2.54 0.51		550	39.16 8.720
	ANNO			HARGE (in	/hr) AND			S OF RUNOF					INTER	VALS	
	ANNU	Haxi Disch	nua arge	HARGE (in,	2 1		faximum 6 Ho	Volume for		d Time			ays	8	Days Vol.
1971	ANNO	Haxi Disch	num arge Rate	1 Hour Date Vol	2 F	lours Vol.	faximum 6 Ho Date	Volume for	Selecte Hours	d Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 : Date	Vol.
1971	ANNO	Haxi Disch Date	num arge Rate	1 Hour Date Vol	2 F Date	Nours Vol.	faximum 6 Ho Date 8-27	Volume for ours 12 Vol. Date	Selecte Bours Vol.	d Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 : Date	Vol.

No. 18. Watershed conditions: Farm woods, mixture of bardwoods and comiters, with pine predominating, 58%; cultivated, 18%; pasture, mative grass mixture, usually fair cover, 8%; idle, 16%. For topographic map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the Duited States, 1968, 038 misc. Pab. 1330, p. 13.010-5. For drainage pattern map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1966-61, 850A misc. Pub. 934, p. 13.10-6. Precipitation: Thieseen weighted from R-1, R-2, and R-3. Station averages determined from continuous records from Jam. 1958 through 1971. For long-time precipitation records, see Bational Weather Service records at Balifax (1 mile B), Virginal 1971.

1971	DA	ILY PRECI	PITATION	(inches)		BLACKSBURG,		LITTLE	WINHS C	REBK WATER	SHED (130	10)
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Boa	Dec
1	0.11S	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0	1.33	0.0	0.0
2	0.0	0.0	0.37	0.35	0.15	0.0	0.0	0.0	0.0	0.12	0.22	0.0
3	0.0	0.088	1.30	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.28	0.10
4	0.19	0.618	0.01	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
5	0.28	0.42	0.0	0.01	0.0	0.0	0.0	0.06	0.0	0.05	0.0	0.0
6	0.0	0.06	0.0	1.31	0.04	0.0	0.25	0.0	0.24	0.10	0.0	0.0
7	0.0	0.89	0.04	0.13	0.38	0.0	0.06	0.0	0.0	0.0	0.20	0.43
8	0.0	0.83	0.0	0.0	0.19	0.34	0.0	0.0	0.0	0.0	0.0	0.0
9	0.37E	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.55	0.03	0.0
10	0.0	0.0	0.07	0.0	0.0	0.0	0.05	0.0	0.17	1.33	0.01	0.0
11	0.0	0.0	0.04	0.0	0.0	0.0	0.20	0.41	1.21	0.0	0.0	0.0
12	0.0	0.12	0.0	0.0	0.66	0.18	0.0	0.00	2.02	0.0	0.0	0.05
13	0.0	0.61	0.0	0.0	1.36	0.0	0.0	0.0	0.01	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.02	0.0	1.07	0.05	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.49	0.42	0.02	0.0	0.0	0.17	0.0	0.20
17	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.01	0.0	0.02
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,00	0.37	0.0	0.0	0.01
19	0.0	0.0	0.33	0.0	0.0	0.0	0.06	0.0	0.0	0.03	0.0	0.0
20	0.0	0.04	0.0	0.0	0.01	0.0	0.0	0.0	0.04	0.10	0.0	0.17
21	0.0	0.0	0.0	0.06	0.09	0.0	0.0	0.0	0.0	0.02	0.0	0.0
22	0.09	0.75	0.01	0.01	0.0	0.0	0.0	0.47	0.51	0.37	0.0	0.0
23	0.16	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	1.65	0.0	0.0
24	0.29	0.0	0.0	0.01	0.0	0.0	0.29	0.0	0.0	0.58	1.65E	0.0
25	0.0	0.0	0.0	0.0	0.12	0.0	0.01	0.0	0.0	0.19	0.0	0.0
26	0.03	0.19	0.77S	0.0	0.0	0.0	0.03	0.0	0.0	0.05	0.0	0.0
27	0.0	0.01	0.0	0.07	0.12	0.0	0.0	3.94	0.0	0.0	0.31E	0.0
28	0.0	0.0	0.01	0.55	1.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.30	0.0	0.77	1.27	0.73	0.0	0.0	0.0	0.20	0.0
30	0.13		0.0	0.0	0.20	0.20	0.13	0.0	0.28	0.0	0.0	0.0
31	0.03		0.0		0.0		0.27	0.0		0.0		0.0
COTAL	1-67	4.63	3.28	2.68	7.21	2.48	2.52	7.34	4.84	6.66	2.90	0.98
TA AV	2.91	3.36	3.35	2.82	3.78	3.05	3.88	4.37	2.84	3.21	2.54	3.03

NOTES: Precipitation amounts are Thiessen weighted values from rain gages R-1, R-2, and R-3. STA AV based on record period January 1958 through 1971.

197	1	MEAN DAIL	Y DISCHAR	RGE (cfs)		BLACKSBUR	G, VIRGIN	IA LITTL	E WINNS C	REBK WATE	RSEED (13	010)
Day	Jan	řeb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	How	Dec
1	0.919B	0.660	1.172	1.215	0.890	1.871	0.806	0.979	0.758	3.503	1.329	1.645
2	0.684E	0.671	1.543	1.331	0.924	1.383	0.714	0.679	0.718	2.956	1.319	1.497
3	0.685B	0.682	17.724	1.333	0.929	1.278	0.640	0.568	0.696	1.644	1.838	1.434
4	1.002	0.910	7.142	1.214	0.866	1.153	0.593	0.547	0.671	1.285	1.386	1.418
5	9.187	1.980	2.770	1.172	0.816	1.052	0.578	0.568	0.661	1.122	1.291	1.335
6	2.775	3.160	2.072	10.041	0.816	0.975	0.694	0.543	0.738	1.054	1.246	1.335
7	1.705	13.682	1.835	5.313	0.897	0.929	0.623E	0.512	0.643	0.909	1.362	2.340
8	1.296	24.195	1.532	2.886	1.145	1.075	0.594E	0.478E	0.608	0.860	1.198	1.901
9	1.287	6.167	1.368	2.043	0.888	0.915	0.687	0.449E	0.590	0.957	1.176	1.691
10	1.153	2.623	1.362	1.718	0.801	0.839	0.929	0.447E	0.638	17.210	1.187	1.588
11	1.172	1.965	1.297	1.498	0.788	0.831	0.609	0.565E	1.603	3.356	1.155	1.526
12	1.078	1.727	1.198	1.372	0.968	0.908	0.644	0.537E	22.896	1.916	1.122	1.463
13	0.992	6.276	1.151	1.290	7.874	0.884	0.600	0.476E	4.324	1.481	1.116	1.396
14	0.949	3.040	1.103	1.209	2.554	0.840	0.582	0.449B	1.755	1.276	1.033	1.335
15	0.893	2.010	1.099	1.172	3.921	0.865	0.554	0.424	1.213	1.137	1.023	1.304
16	0.816	1.682	1.083	1.127	19.204	1. 195	0.539	0.404	1.021	1.183	1.023	1.511
17	0.816	1.424	1.051	1.083	3.176	0.929	0.527	0.452	0.972	1.058	1.023	1.463
18	0.787	1.282	0.988	1.053	1.961	0.820	0.509	3.632	1.153	1.023	1.023	1.333
19	0.741	1.215	1.232	1.023	1,533	0.788	0.548	0.630	0.956	1.023	1.023	1.265
20	0.727	1.191	1.013	1.023	1.276	0.816	0.521	0.546	0.841	1.023	1.023	1.393
21	0.727	1.097	0.949	1.023	1.190	0.794	0.494	0.504	0.828	1.023	0.992	1. 297
22	0.739	3.257	0.949	0.986	1.091	0.767	0.483	0.726	1.249	1.064	0.979	1, 193
23	0.838	2.667	0.920	1.048	0.975	0.758	0.478	0.574	0.945	18.499	0.949	1.172
24	0.911	1.757	0.890	0.969	0.969	0.750	0.541	0.494	0.842	6.735	6.382	1.172
25	1.013	1.459	0.890	0.931	0.991	0.707	0.556	0.482	0.797	11.649	4.285	1. 172
26	0.855E	1.383	1.113	0.890	0.878	0.688	0.541	0.511	0.771	3.532	2.396	1.172
27	0.756E	1.466	1.311	0.899	0.864	0.593	0.507	34.921	0.768	2.469	3.102	1. 172
28	0.756E	1,237	1.602	1.369	2.477	0.565	0.485	3.596	0.767	2.002	2.369	1.172
29	0.756		2-221	0.972	6.927	2.563	1.142	1.314	0.741	1.708	2.185	1. 172
30	0.817		1.650	0.890	11.286	0.876	0.645	0.946	0.812	1.560	1.979	1.172
31	0.746		1.321		2.922		0.646	0.824		1.451		1.110
EAB	1. 2445	3,2450	2.0500	1.6697	2,6708	0.9802	0.6131	1.8960	1.7325	3, 1504	1.6505	1.391
CHES	0.624	1.470	1.028	0.811	1.340	0.476	0.308	0.951	0.841	1.580	0.801	0.69
A AV	0.895	1.202	1.241	0.929	0.838	0.556	0.433	0.550	0.376	0.637	0.514	0.55

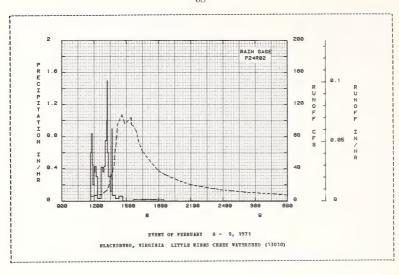
HOTES: To convert CFS to IM/DAY, multiply by 0.016178. STA AV based on record period January 1958 through 1971.

Date Sainfall Banoff Date Time Intensity Rec. Date Time Eate Acc. (inches) Rec. Date Time Eate Date Rec. (inches) Rec. Date Da	1 SELECTED RUNOFF EVI			IBPALL			RUNOP		
EVENT OF PERSONNY 8 - 9, 1971 RG P24R02 2-8 0.0 0.073 2-8 1140 0.0 0.0 2-8 1146 5.918 0.0 1145 0.0000 0.052 1200 6.067 0.0009 1145 0.0000 0.052 1200 6.067 0.0009 1145 0.0000 0.052 1200 6.067 0.0009 1155 0.0000 0.052 1200 6.067 0.0009 1155 0.0000 0.052 1200 6.067 0.0009 1155 0.0000 0.052 1200 6.067 0.0009 1155 0.0000 0.052 1200 6.067 0.0009 1155 0.0000 0.052 1200 6.067 0.0009 1155 0.0000 0.052 1200 6.067 0.0009 1155 0.0000 0.052 1200 6.067 0.0009 0.015 1200 0.0000 0.052 1200 0.0000 0.015 1200 0.0000 0.015 1200 0.0000 0.015 1200 0.0000 0.015 1200 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000 0.00000 0.00000 0.00	Date Rainfall Run		Time	Intensity			Time	Rate	
RG P24R02 2-8 0.0 0.073 2-8 1140 0.0 0.0 2-8 1146 5.918 0.0 0.0092 1140 0.00 0.05 120 6.067 0.0093 1150 0.8800 0.12 1203 6.556 0.0011 1154 0.4500 0.15 1208 7.209 0.015 1154 0.4500 0.15 1208 7.209 0.015 1154 0.4500 0.15 1208 7.209 0.015 1154 0.4500 0.15 1208 7.209 0.015 1200 0.2000 0.17 1212 7.164 0.0018 12120 0.2000 0.17 1212 7.164 0.0018 12120 0.4286 0.25 12120 7.668 0.0031 1214 0.4286 0.25 1220 7.300 0.25 1218 0.0300 0.29 1242 8.099 0.0044 1214 0.4286 0.30 0.30 130 1310 11.80 0.0065 1212 0.4200 0.30 0.30 1301 11.80 0.0065 1212 0.4200 0.37 1313 13.765 0.0092 1214 1.000 0.000									
2-8 0.0 0.073 2-8 1140 0.0 0.0 2-8 1146 5.918 0.0 0.05 1200 6.067 0.0009 1145 0.6000 0.05 1200 6.067 0.0009 1145 0.6000 0.05 1200 6.067 0.0009 1155 0.6000 0.05 1200 6.067 0.0009 1155 0.6000 0.17 1200 6.558 0.0111 0.0000 0.17 1200 6.558 0.0111 0.0000 0.17 1200 0.0000 0.17 1200 0.0000 0.17 1200 0.0000 0.17 1200 0.0000 0.17 1200 0.0000 0.17 1200 0.0000 0.17 1200 0.0000 0.17 1200 0.0000 0.17 1200 0.0000 0.17 1200 0.0000 0.10 1200 0.0000 0.10 1200 0.0000 0.10 1200 0.0000 0.10 1200 0.0000 0.0000 0.000 0.000 0.000 0.0000 0.0000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0		2	VENT OF PEB	RUARY 8 -	9, 1971				
2-8 0.0 0.073 2-8 1140 0.0 0.0 0.0 2-8 1146 5.918 0.0 0.1 1150 0.6000 0.05 1200 6.067 0.0009 1155 0.6000 0.05 1200 6.067 0.0009 1155 0.6000 0.05 1200 6.067 0.0009 1155 0.6000 0.05 1200 6.067 0.0009 0.17 1200 6.558 0.0111 1150 0.8010 0.17 1200 1.0011 1200 0.2000 0.17 1200 1.0011 1200 0.2000 0.17 1212 2.7.164 0.0011 1200 0.2000 0.17 1212 2.7.164 0.0011 1200 0.2000 0	RG P24R02		RG P241	202					
1150		073 2- 8			0.0	2- 8	1146	5.918	0.0
### 1154			1145	0.6000	0.05		1200	6.067	0.0009
ATERSHED COBDITIONS: IT woods, mirture of 1205 0.3600 0.20 1218 7.134 0.0023 1218 (2005) 1218 7.134 0.0023 1218 7.134 0.0055 1218 7.134 0.0055 1218 7.134 0.0055 1218 7.134 0.0055 1218 7.134 0.0024 7.134 0.0024 7.134			1150	0.8400	0.12		1203	6.556	0.0011
ATBESEB COEDITIONS: 1205 0.3600 0.20 1218 7.134 0.0023 rawoods, sirture of 1205 0.4268 0.25 1230 7.6688 0.0023 rawoods, sirture of 1205 0.4268 0.25 1230 7.6688 0.0034 1210 0.4268 0.25 1230 7.6688 0.0034 1211 0.0300 0.30 1301 131 13.765 0.0082 1212 0.0300 0.37 1313 13.765 0.0082 1212 0.4268 0.45 1326 2.1003 0.0082 1213 0.4268 0.45 1326 2.1003 0.007 1213 1313 1.0000 0.60 1330 2.6669 0.016 1310 0.7500 0.55 1328 2.4711 0.0107 1313 1.0000 0.65 1330 2.6669 0.018 1315 1.5000 0.65 1330 33.789 0.018 1320 0.6000 0.75 1339 33.789 0.018 1320 0.0000 0.75 1349 41.90 0.019 1340 0.1200 0.75 1349 41.90 0.019 1340 0.1200 0.75 135 4.987 0.0219 1340 0.1200 0.77 1353 44.987 0.0219 1340 0.1200 0.680 1355 56.957 0.0227 1340 0.0000 0.88 1356 56.957 0.0221 1430 0.0600 0.88 136 7.266 7.0210 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1431 0.0600 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.08 136 7.266 1440 0.0000000000			1154	0.4500	0.15		1208	7.209	0.0015
ATBESEB COEDITIONS: 1205 0.3600 0.20 1218 7.134 0.0023 rawoods, sirture of 1205 0.4268 0.25 1230 7.6688 0.0023 rawoods, sirture of 1205 0.4268 0.25 1230 7.6688 0.0034 1210 0.4268 0.25 1230 7.6688 0.0034 1211 0.0300 0.30 1301 131 13.765 0.0082 1212 0.0300 0.37 1313 13.765 0.0082 1212 0.4268 0.45 1326 2.1003 0.0082 1213 0.4268 0.45 1326 2.1003 0.007 1213 1313 1.0000 0.60 1330 2.6669 0.016 1310 0.7500 0.55 1328 2.4711 0.0107 1313 1.0000 0.65 1330 2.6669 0.018 1315 1.5000 0.65 1330 33.789 0.018 1320 0.6000 0.75 1339 33.789 0.018 1320 0.0000 0.75 1349 41.90 0.019 1340 0.1200 0.75 1349 41.90 0.019 1340 0.1200 0.75 135 4.987 0.0219 1340 0.1200 0.77 1353 44.987 0.0219 1340 0.1200 0.680 1355 56.957 0.0227 1340 0.0000 0.88 1356 56.957 0.0221 1430 0.0600 0.88 136 7.266 7.0210 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1430 0.0600 0.88 136 7.266 0.023 1431 0.0600 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.08 136 7.266 0.023 1431 0.0600 0.08 136 7.266 1440 0.0000000000			1200	0.2000	0.17		1212	7-164	0.0018
rdvoods and conifers	ATERSHED CONDITIONS:								
radvoods and conifers			1205	0.3600	0.20		1218	7.134	0.0023
th pine predominating, 58%; 1220 0.3000 0.29 1242 8.0999 0.0044 114vated, 18%; pasture 1240 0.0300 0.30 1301 11.86 0.0065 11ve grass sitture, 1250 0.4200 0.30 1313 13.765 0.0082 1317 1318 13.765 0.0082 1317 1318 13.765 0.0082 1318 1318 13.765 0.0082 1319 1318 13.765 0.0082 1319 1319 1319 1.0082 0.4266 0.45 1326 21.003 0.107 1319 1310 0.7550 0.55 1326 21.003 0.107 1319 1310 0.055 1328 24.711 0.0102 1311 1315 1.5000 0.66 1330 26.669 0.118 1315 1.5000 0.66 1330 26.669 0.118 1315 1.5000 0.675 1339 33.789 0.0149 1318 1319 0.0000 0.75 1339 33.789 0.0149 1330 0.0000 0.75 1339 33.789 0.0149 1330 0.0000 0.75 1339 31.790 0.0149 1330 0.0000 0.75 1339 31.790 0.0149 1330 0.0000 0.75 1339 31.790 0.0149 1330 0.0000 0.75 1339 31.790 0.0149 1330 0.0000 0.75 1339 31.790 0.0149 1330 0.0000 0.75 1339 31.790 0.0149 1330 0.0000 0.75 1339 31.790 0.0149 1330 0.0000 0.75 1339 31.790 0.0149 1330 0.0000 0.75 1349 31.790 0.0191 1340 0.0000 0.667 0.82 1357 61.689 0.0237 1350 0.0000 0.667 0.82 1357 61.689 0.0237 1350 0.0000 0.682 1357 61.689 0.0237 1350 0.0000 0.682 1357 61.689 0.0237 1350 0.0000 0.83 1359 65.011 0.0248 1350 0.0000 0.85 1300 0.0000 0.85 1300 0.0000 0.85 1300 0.0000 0.85 1300 0.0000 0.85 1300 0.0000 0.0000 0.85 1300 0.000			1212	0.4286	0.25		1230	7.668	0.0033
tive grass sixture, 1250 0.4200 0.37 1313 13.765 0.0092 and 131 fair cover, 8\$: 10, 16\$. 1255 0.4500 0.40 1321 17.858 0.0095 16.6, 126 17.003 0.0001 1321 17.858 0.0095 16.6, 126 17.003 0.0001 1321 17.858 0.0095 16.6, 126 17.003 0.0001 1321 17.858 0.0095 12.6, 126 17.003 0.0001 1321 13.76 0.0107 1313 13.760 0.0165 1330 0.660 0.018 1315 1.5000 0.65 1330 28.6609 0.018 1315 1.5000 0.65 1330 33.789 0.0149 1330 0.3000 0.75 1339 33.789 0.0149 1330 0.3000 0.75 1349 41.190 0.0149 1340 0.1200 0.75 1349 41.190 0.0149 1340 0.1200 0.77 1353 44.987 0.0210 1340 0.1000 0.80 1356 56.957 0.0227 1300 0.065 135 56.957 0.0227 1300 0.065 135 56.957 0.0224 1300 0.065 135 56.957 0.0224 1300 0.0650 0.88 1300 6.234 1300 0.0600 0.88 1300 6.234 0.0234 1300 0.0600 0.88 1300 6.236 0.0234 1300 0.0600 0.88 1300 6.236 0.0234 1300 0.0600 0.88 1300 6.236 0.0234 1300 0.0600 0.88 1300 77.380 0.0234 1300 0.0600 0.88 1300 77.380 0.0234 1300 0.0600 0.88 1300 77.380 0.0234 1300 0.0600 0.88 1300 77.380 0.0234 1300 0.0600 0.88 1300 77.380 0.0234 1300 0.0600 0.88 1300 77.380 0.0234 1300 0.0600 0.88 1300 77.380 0.0234 1300 0.0600 0.88 1300 77.380 0.0234 1300 0.0600 0.88 1300 77.380 0.0234 1300 0.0600 0.08 1300 77.870 0.0234 1300 0.0600 0.08 1300 77.870 0.0234 1300 0.0600 0.08 1300 77.870 0.0234 1300 0.0600 0.000 0.000 0.0000 0.000 0.0000 0		%:	1220	0.3000	0.29		1242	8.099	0.0044
tive grass mixture, and the management of the ma	ltivated, 18%: pasture		1240	0.0300	0.30		1301	11.480	0.0065
nally fair cover, 85: 12.55			1250	0.4200	0.37		1313	13.765	0.0082
1e, 16s. 1255 0.3600 0.40 1321 17.858 0.0996 1310 0.4286 0.45 1326 21.003 0.0107 1310 0.7500 0.55 1328 24.711 0.0112 1313 1.0000 0.60 1339 26.669 0.0118 1315 1.5000 0.65 1339 33.789 0.0149 1330 0.4000 0.70 1339 33.789 0.0149 1340 0.1200 0.77 1359 44.987 0.0214 1342 0.9000 0.80 1356 56.957 0.0221 1840 0.0667 0.62 1357 61.689 0.0224 1420 0.0300 0.83 1359 65.011 0.0248 1430 0.06607 0.88 180 67.236 0.0253 1440 0.0600 0.85 1404 72.783 0.0287 1540 0.0 0.85 1404 72.783 0.0287 1540 0.0 0.85 1404 72.783 0.0289 1830 0.0176 0.90 1407 78.702 0.0314 1811 90.4894 0.0343 1411 9									
1302			1255	0.3600	0.40		1321	17.858	0.0096
1313 1.0000 0.60 1330 26.669 0.0118 1315 1.5000 0.65 1330 31.356 0.0138 1315 1.5000 0.65 1335 31.356 0.0138 1315 1.5000 0.65 1335 31.356 0.0138 1320 0.6000 0.75 1339 31.789 0.0149 1340 0.1200 0.75 1349 41.190 0.0149 1340 0.1200 0.60 1356 56.597 0.0217 1320 0.0000 0.60 1356 56.597 0.0217 1300 0.0667 0.60 1357 61.669 0.0234 1300 0.0600 0.83 1359 65.011 0.0248 1430 0.0600 0.84 1401 67.236 0.0263 1430 0.0600 0.85 1400 72.787 0.025 1400 72.787 0.0263 1430 0.0600 0.85 1400 72.787 0.0263 1400 0.0600 0.55 1400 72.787 0.0263 1400 0.0600 0.55 1400 72.787 0.0263 1400 0.0600 0.55 1400 72.787 0.0263 1400 0.0600 0.55 1400 0.0600 0.55 1400 0.0600 0.55 1400 0.06000 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.060			1302	0-4286	0.45		1326	21.003	0.0107
1315 1.5000 0.65 1335 31.356 0.0134 1320 0.5000 0.70 1339 33.769 0.0184 1320 0.5000 0.75 1339 33.789 0.0189 1330 0.1200 0.77 1339 31.190 0.0193 1340 0.1200 0.77 1353 44.987 0.0219 1342 0.9000 0.80 1356 56.957 0.0227 1400 0.0667 0.82 1357 61.689 0.0223 1400 0.0667 0.82 1357 61.689 0.0234 1420 0.0300 0.83 1359 65.011 0.0289 1430 0.04000 0.85 1400 72.783 0.0289 1440 0.0500 0.85 1404 72.783 0.0287 1540 0.0 0.85 1404 72.783 0.0287 1540 0.0 0.85 1405 80.407 0.0296 1830 0.0176 0.90 1407 78.702 0.0314			1310	0.7500	0.55		1328	24.711	0.0112
1315 1.5000 0.65 1335 31.356 0.0134 1320 0.5000 0.70 1339 33.769 0.0184 1320 0.5000 0.75 1339 33.789 0.0189 1330 0.1200 0.77 1339 31.190 0.0193 1340 0.1200 0.77 1353 44.987 0.0219 1342 0.9000 0.80 1356 56.957 0.0227 1400 0.0667 0.82 1357 61.689 0.0223 1400 0.0667 0.82 1357 61.689 0.0234 1420 0.0300 0.83 1359 65.011 0.0289 1430 0.04000 0.85 1400 72.783 0.0289 1440 0.0500 0.85 1404 72.783 0.0287 1540 0.0 0.85 1404 72.783 0.0287 1540 0.0 0.85 1405 80.407 0.0296 1830 0.0176 0.90 1407 78.702 0.0314			1313	1.0000	0.60		1330	26,669	0.0118
1330					0.65		1335	31.356	0.0134
1340 0.1200 0.77 1353 44.987 0.0210 1342 0.9900 0.80 1356 56.997 0.0227 1400 0.0667 0.82 1357 61.689 0.0234 1420 0.0300 0.83 1359 65.011 0.0248 1430 0.0600 0.84 1301 67.236 0.0263 1440 0.0600 0.85 1404 72.783 0.0267 1540 0.0 0.65 1405 80.07 0.0297 1540 0.0 0.65 1405 80.07 0.0297 1540 0.0 0.55 1409 78.702 0.0314 1830 0.0176 0.90 1407 78.702 0.0314 1830 0.0176 0.30 1407 90.994 0.0343 1411 94.083 0.0353			1320	0.6000			1339		0.0149
1342 0.9000 0.80 1356 56.957 0.0227 1800 0.0667 0.82 1357 61.689 0.0234 1820 0.0310 0.83 1359 65.011 0.238 1830 0.0660 0.83 1359 65.011 0.238 1840 0.0660 0.84 1801 67.226 0.0263 1840 0.0660 0.85 1804 72.783 0.0267 1540 0.0 0.85 1804 72.783 0.0287 1830 0.0176 0.90 1807 78.702 0.0314 1813 90.984 0.0343 1811 94.083 0.0353			1330	0.3000	0.75		1349	41.190	0.0191
1400 0.0667 0.82 1357 61.689 0.0234 1420 0.0300 0.83 1359 65.011 0.0248 1430 0.0660 0.84 1401 67.236 0.0263 1440 0.0660 0.85 1404 72.783 0.0287 1540 0.0 0.85 1409 8.407 0.0287 1830 0.0176 0.90 1407 78.702 0.9314 1810 90.494 0.0343 1411 94.083 0.353 1411 94.083 0.353			1340	0.1200	0.77		1353	44.987	0.0210
1400 0.0667 0.82 1357 61.689 0.0234 1420 0.0300 0.83 1359 65.011 0.0248 1430 0.0600 0.84 1401 67.236 0.0263 1440 0.0600 0.85 1404 72.783 0.0287 1540 0.0 0.65 1405 8.407 0.0287 1830 0.0176 0.30 1407 78.702 0.314 1811 94.083 0.353 1411 94.083 0.353			1342	0.9000	0.80		1356	56.957	0.0227
1430 0.0600 0.84 1401 67.236 0.0263 1440 0.0600 0.85 1404 72.736 0.0263 1540 75.206 0.0600 0.85 1404 72.733 0.0287 1540 0.0 0.85 1405 80.407 0.0296 1830 0.0176 0.90 1407 78.702 0.0314 1411 94.083 0.0353 1411 96.087 0.0353					0.82		1357	61.689	0.0234
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			1420	0.0300					
1540 0.0 0.85 1405 80.407 0.0296 1830 0.0176 0.90 1407 78.702 0.0314 1810 90.494 0.0343 1811 94.083 0.0353 1813 96.827 0.0375									
1830 0.0176 0.90 1407 78.702 0.0314 1410 90.484 0.0343 1411 94.083 0.0353 1413 96.827 0.0357			1440	0.0600			1404		
1810 90.894 0.0343 1811 94.083 0.0353 1813 96.827 0.0375			1540	0.0	0.85		1405	80.407	0.0296
1411 94.083 0.0353 1413 96.827 0.0375			1830	0.0176	0.90		1407	78.702	0.0314
1413 96.827 0.0375									
1436 107.032 0.0638									
1452 95.937 0.0820							1436	107.032	0.0638

NOTES: To convert CFS to IM/BE, multiply by 0.0006741.

					NPALL				_	
Date	ENT COMDI:	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
Ho-Day	(inches)	(inches)	Mo-Day	of Day	(in/hr)	(inches)	Mo-Day	of Day	Rate (cfs)	(inches)
			EVENT OF	FEBRUARY	8 - 9,	1971 (CO	NTINUED)			
							2- 8	1527		0.1212
								1529	94.780	0.1234
								1542	92.570	0.1371
									85, 198	
								1606		0.1604
								1620	67.162	0.1717
								1628	62.015	0.1717
									62.013	0. 1775
								1636	59.968	0.1830
								1640	59.479	0.1857
								1641	58.337	0.1864
								1716	48.503	0.2074
								1755		0.2265
								1800	37.393	0.2286
								1812	35.613	
								1832	33.180	0.2412
								1854	30.792	0.2491
								1910		0.2545
								1920	28,568	0.2577
								1936	26.891	
								1950		0.2668
								2004		
									24.370	0.2707
								2012	23.821	0.2729
								2026	22.353	0.2765
								2036		0.2790
								2056	20.484	0.2838
								2124	19.119	0.2900
								2132	18.674	0.2917
								2208	17.413	0.2990
								2224	16.568	0.3021
								2240	16.167	0.3050
								2254	15.396	0.3075
								2314	15.025	
								2324	14,610	0.3126
								2336	14.195	0.3145
								2346	13.483	
								2400	13, 186	0.3182
							2- 9		13.186	0.3182
							2- 9	14	12.860	0.3202
								20	12.860	0.3211
								40	12.519	0.3240
								102	12.192	0.3271
								115	11.866	0.3289
								128	11.555	
								148		0.3332
								206	10.590	0.3354
								318	9.641	0.3436
								328	9.359	0.3447
								445	8.544	0.3524
								516		0.3553
								702		0.3643

NOTES: To convert CPS to IM/HR, multiply by 0.0006741.



BLACKSBURG, VIRGINIA BOCKY RUN BRANCH WATERSHED (13011)

LOCATION: Brunswick County, Va., on Route No. 58, 4 mi. W. of Lawrenceville, Va., Meherrin Biver.

ARPA: 555.00 acres

HC	NTHLY	PRECIE	ITATION	AND RU	BOPF ((inches	s)	BLACK	SBURG,	VIRGI	NIA RO	CKY RUI	BRANCE	WATER	SHED (13011)	
		Jan	Feb	Mar	AF	r	Ha y	Jun	Jul	A	ug	Sep	0ct	NoA	Dec	: A	nnual
1971	P Q	1.92 0.855	5.25 1.425	3.08 1.07		95 907	7.24 1.213	1.93 0.588	3.27 0.21			4.46 0.265	7.62 2.214	2.69 0.67			4.87 0.425
STA AV	P Q	2.76 0.867	3.56 1.205	3.26 1.30		.38 .909	3.67 0.846	4.04 0.607	4.49 0.53			2.84 0.271	3.04 0.476	2.51 0.48			9.58 8.623
	ABBU	AL HAX	HUM DIS	CHARGE	(in/hz) AND	MAXIMU	VOLUM	ES OF R	UNOFF	(inche	s) FOR	SELECT	D TIME	INTER	7ALS	
		Maxi Disch Date	arge	1 Ho Date			Hours	6 н		12 1	Selecte Hours Vol.	1	Interval Day Vol.	2 D	ays Vol.		ays Vol.
1971		10-23	0.183	10-23	0.178	10-23	0.334	10-23	0.699	10-23	1.008	10-23	1.333	10-23	1.493	10-23	1.723
						2	MINUNS	FOR P	ERIOD O	P REC	ORD						

NOTES: Watershed conditions: Kined cover, farm woods, mixture of hardwoods and conifors, 57%; persanent pacture, usually a good cover of native grass and clover aixture, 13%; alfalfa and other hay crops, 5%; cultivated, 5%; roads, 1%; idle, 15%. For topographic map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Mixt. Pub. 1194, p. 13.11-6. Precipitation: Thieseen weighted from E-1 and R-2. Station averages determined from continuous records from April 1958 through 1971. For long-time precipitation records, see Mational Weather Service records at Emporia (1 mile WWW), Vignila.

1971	DAI	LY PRECI	HOITATION	(inches)	1	BLACKSBURG,	VIRGINIA	ROCKY	RUN BRANCH	WATERSHE	D (13011)	
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.085	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.89	0.0	0.0
2	0.0	0.0	0.21	0.07	0.20	0.0	0.0	0.0	0.0	0.32	0.0	0.0
3	0.0		1.21	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.55	0.025
	0.04	0.83E	0.02	0.0	0.0	0.0	0.0	1.28	0.03	0.0	0.0	0.0
5	0.30	0.66E	0.0	0.07	0.0	0.0	0.0	0.22	0.37	0.79	0.0	0.0
6	0.0	0.01E	0.0	1.21	0.0	0.0	0.12	0.21	0.47	0.15	0.0	0.0
7	0.0	1.18	0.0	0.09	0.19	0.0	0.01	0.0	0.0	0.0	0.0	0.34
8	0.05	0.47	0.0	0.0	0.20	0.01	0.0	0.0	0.0	0.0	0.0	0.0
9	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.04	0.0
10	0.12	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.24	0.73	0.01	0.0
11	0.0	0.02	0.03	0.0	0.0	0.0	0.13	0.09	0.12	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.09E	0.31	0.0	0.0	0.95B	0.0	0.0	0.17
13	0.02	0.95E	0.0	0.0	0.88E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.05	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0
15	0.01	0.0	0.26	0.0	0.71	0.04	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.76	0.60	0.0	0.0	0.0	0.0	0.0	0.17
17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.02
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.04	0.0	0.0	0.0
19	0.0	0.0	0.14	0.0	0.0	0.0	0.63	0.0		0.01	0.0	0.00
20	0.0	0.01	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.05	0.0	0.56
21	0.0	0.0	0.0	0.03	0.0	0.67E	0.0	0.0	0.41	0.0	0.0	0.0
	0.14	0.58	0.0	0.0	0.0	0.02E	0.0	0.10	0.54	0.37	0.0	0.0
23	0.24	0.0	0.01	0.23	0.0	0.17E	0.0	0.0	0.0	3.85	0.0	0.0
24	0.29	0.0	0.0	0.0	0.0	0.0	0.79	0.0	0.0	0.10	1.55№	0.0
25	0.0	0.0	0.0	0., 0	0.0	0.0	0.01	0.0	0.0	0.16	0.0	0.0
26	0.02	0.26	0.72E	0.0	0.0	0.0	0.03	0.09	0.0	0.02	0.0	0.0
27	0.0	0.02	0.0	0.0	0.03	0.0	0.77	1.68E	0.0	0.0	0.52	0.0
28	0.0	0.0	0.0	0.22	1.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.42	0.0	1.16	0.0	0.15	0.0	0.0	0.0	0.02	0.0
30	0.10		0.0	0.0	0.98	0.0	0.29	0.0	1.29	0.0	0.0	0.03
31	0.14		0.0		0.09		0.33	0.0		0.0		0.0
TOTAL	1.92	5.25	3.08	1.95	7.24	1.93	3.27	4.14	4.46	7.62	2.69	1.32
STA AV	2.76	3.56	3.26	2.38	3.67	4.04	4.49	4.09	2.84	3.04	2.51	2.94

NOTES: Precipitation amounts are Thiessen weighted values from rain gages R-1 and R-2. STA AV based on record period April 1958 through 1971.

197	11	REAR DAIL	T DISCHAR	GE (cfs)		BLACKSBUR	G, VIRGIN	IA ROCKY	RUH BRAH	CH WATERS	BED (1301	1)
Day	Jan	Feb	Bar	Apr	May	Jun	Jul	Aug	Sep	Oct	BOA	Dec
1	1.364B	0.318	0.521	0.693	0.405	2.211	0.189	0.193	0.146	1.2758	0.481	0.53
2	1.024E	0.293	0.574	0.671	0.382	1.455	0.177	0.190	0.146	0.805	0.459	0.60
3	0.797E	0.297	3.088	0.665	0.468	0.848	0.165	0.190	0.143	0.495	0.825	0.59
4	0.534E	0.683	2.563	0.585	0.399	0.745	0.158	0.369	0.139	0.357	0.593	0.56
5	0.844E	2.039E	1.228	0.560	0.363	0.653	0.158	0.459	0.161	0.526	0.481	0.54
6	0.792E	1.105E	0.945	2.692	0.351	0.490	0.170	0.266	0.278	0.859	0.459	0.54
7	0.624E	7.265E	0.831	2.053	0.347E	0.375	0.168	0.193	0.150	0.444	0.448	0.72
8	0.484E	4.545B	0.710	1.228	0.336	0.355	0.147	0.162	0.142	0.337	0.408	0.64
9	0.846E	1.681E	0.631	0.915	0.328	0.322	0.145	0.153	0.134	0.309	0.407	0.59
10	1.163E	0.693E	0.599	0.761	0.321	0.308	0.145	0.152	0.213	0.940	0.400	0.56
11	1.326E	0.475E	0.583	0.677	0.300	0.291	0.147	0.162	0.192	0.613	0.394	0.54
12	1.307E	0.436E	0.548	0.649	0.306	0.328	0.147	0.158	0.610	0.418	0.375	0.56
13	1.242E	1.783E	0.548	0.624	0.609	0.311	0.134	0.142	0.290	0.350	0.375	0.58
14	1.154E	1.441E	0.516	0.573	0.406	0.299	0.124	0.133	0.205	0.325	0.375	0.54
15	0.741E	1. 108E	0.587	0.548	0.390	0.286	0.122	0.131	0.182	0.297	0.375	0.54
16	0.529E	1.031E	0.559	0.548	2.372	0.722E	0.116	0.131	0.172	0.274	0.375	0.55
17	0-439E	0.888E	0.498	0.534E	0.797	0.332	0.112	0.142	0.172	0.268	0.375	0.60
18	0.364E	0.675E	0.457	0.498E	0.513	0.287	0.100	0.192	0.169	0.261	0.375	0.50
19	0.288E	0.613	0.515	0.498E	0.410	0.282	0.213	0.154	0.158B	0.261	0.375	0.49
20	0.274	0.599	0.486	0.498E	0.351	0.253	0.147	0.134	0.146E	0.262	0.358	0.89
21	0.274	0.558	0.459	0.498E	0.348	0.296	0.132	0.128	0.299E	0.261	0.315	0.72
22	0.281	0.797	0.459	0.498E	0.316E	0.375	0.126	0.128	0.328B	0.272	0.246	0.54
23	0.381	0.863	0.445	0.566E	0.308E	0.310	0.126	0.121	0.269E	29.5388	0.246	0.54
24	0.387	0.639	0.420	0.5128	0.308E	0.285	0.164	0.106	0.190E	5.254	1.199	0.54
25	0.438	0.569	0.420	0.446	0.308E	0.249	0.206	0.101	0.1828	2.043	1.171	0.54
26	0.384	0.554	0.470	0.420	0.308E	0.237	0.153	0.110	0.159E	1.218	0.606	0.54
27	0.336	0.714	0.605	0.420	0.308E	0.213	0.306	0.480	0.146E	0.891	1.176	0.54
28	0.312	0.567	1.067	0.463	1.129E	0.209	0.216	0.191	0.146E	0.690	0.827	0.53
29	0.308		1.643	0.427	4.426E	0.192	0.174	0.141	0.146E	0.628	0.646	0.49
30	0.333		1.179	0.420	6.312E	0.191	0.184	0.159	0.3578	0.581	0.517	0.49
31	0.360		0.828		4.053		0.197	0.162		0.564		0.46
BAH	0.6429	1.1867	0.8059	0.7047	0.9122	0.4570	0.1602	0.1817	0.2057	1.6650	0.5221	0.57
CHES	0.855	1.425	1.071	0.907	1.213	0.588	0.213	0.242	0.265	2.214	0.672	0.7
A YA	0.867	1,205	1.305	0.909	0.846	0.607	0.537	0.389	0.271	0.476	0.484	0.

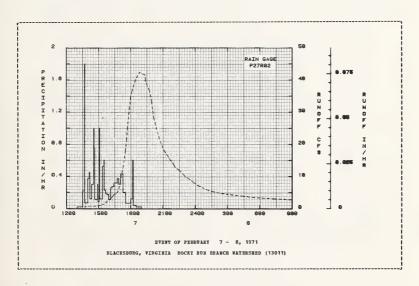
NOTES: To convert CFS to IN/DAY, multiply by 0.042886. STA AV based on record period April 1958 through 1971.

ARTECE	DENT CONDIT	IONS		RA:	INFALL			RUBOR		
Date Mo-Day	(inches)	(inches)	Ho-Day	of Day	Intensity (in/hr)	(inches)	Bo-Day	of Day	(cfs)	(inches)
			EVE	NT OF PEB	RUARY 7 -	8, 1971				
	EG P27R02			RG P271						
2- 7	0.0	0.016	2- 7			0.0			0.504	0.0
				1330		0.01		1352	0.560	0.0002
				1341	0.2182	0.05		1406	0.554	0.0004
				1342	1.7999	0.08		1436	0.677	
AMBDCRBU.	CONDITIONS:			1400	0.0667	0.10		1442	0.733	0.0010
	, farm wood			1408	0.3750	0.15		1510	0.935	0.0017
wente of	hardwoods a	nd		1412	0.4500	0.18		1519	1- 142	0.0020
	7%: permane			1422	0-1200	0.20		1529	1.315	0.0024
	sually a goo			1432	0.3000	0.25		1540	1.774	0.0029
	tive grass			1435	1.0000	0.30		1617	3,554	0.0058
	ture, 13%; a			1400	******	0.00				
	ay crops, 5			1439	0.7500	0.35		1620	3,738	0.0061
	9%; roads,			1455	0.1125	0.38		1627	4.287	0.0069
lle, 15%.	,,,			1457	0.3000	0.39		1630	4,460	0.0073
,				1504	0.0857	0.40		1634	4,438	0.0078
				1507	1.0000	0.45		1640	4.706	0.0086
				1522	0.1200	0.48		1650	5,440	0.0101
				1530	0.5250	0.55		1702	7.913	0.0125
				1532	0.6000	0.57		1704	8.814	0.0130
				1540	0.2250	0.60		1720	13.459	0.0183
				1550	0.1800	0.63		1730	17.679	
				1557	0.1714	0.65		1732	18.787	0.0240
				1608	0.1091	0.67		1734	19.363	0.0251
				1615	0-2571	0.70		1737	21.411	0.0269
				1626	0.2727	0.75		1741	24.814	0.0297
				1645	0.3158	0.85		1749	29.336	0.0362
				1653	0.3750	0.90		1752	30.992	0.0389
				1703		0.95		1800		0.0468
				1710		1.00		1810		0.0575
				1717		1.05		1827	40.097	
				1732		1.10		1848	42.319	0.1029

MOTES: To convert CPS to IM/HR, multiply by 0.0017869.

SEI	ECTED RUBO	PP EVENT		BLACKSBURG, VIRGIBIA RO						13011)
	BHT COMDI	TIONS			MPALL	_		RUMON		
Date Bo-Day	Rainfall (inches)	Runoff (inches)		Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day		Rate (cfs)	Acc. (inches)
						4074 450				
			EVENT OF	PEBRUARY	/ - 8,	1971 (CO	BITEOED)			
			2- 7	1800	0.0643	1.13	2- 7	1852	82,263	0.1079
				1810	0.1200	1.15		1920	41.485	0.1428
				1814	0.6000	1, 19		1922	39.521	0.1452
				1830	0.0375	1.20		1943	36.057	0.1691
				1900	0.0200	1,21		1952	34.652	0.1787
								1956	33.225	0.1827
								2008	28. 172	0.1937
								2040	21.641	0.2174
								2106	17.942	0.2327
								2113	17.382	0.2364
								2146	14.701	0.2522
								2200	13.672	0.2581
								2208	12.754	0.2612
								2220	12.312	0.2657
								2241	11.377	0.2731
								2304	9.967	0.2804
								2330	9.027	0.2878
								2400	7.684	0.2953
							2- 8	12	7.247	0.2980
								28	6.799	0.3013
								40	6.492	0.3037
								48	6.195	0.3052
								100	5.910	0.3074
								116	5.613	0.3101
								148	5.087	0.3152
								228	4.639	0.3210
								256	4.415	0.3248
								304	4.415	0.3259
								424	3.822	0.3357
								520	3.464	0.3418
								720	2.988	0.3533
								920	2.697	0.3635

HOTES: To convert CPS to IN/HR, multiply by 0.0017869.



BLACKSBURG VIRGINIA CHESTHUT BRANCH WATERSHED (13015)

LOCATION: Bedford County, Va., on Boute No. 460, about 6 mi. west of Forest, Va., near Goode, Va., Elk Creek, Big Otter River.

AREA: 1058.00 acres 1.65 sq. miles

BC	PIHTE	PRECIP	ITATION	AND RUN	OPP (i	nches	s)	BL	CKSBURG	VIRGINI	A CHEST	NUT BRANC	H WATE	RSHED (13015)	
		Jan	Feb	Bar	Apr		Bay	Jun	Jul	Aug	Sep	0ct	Noa	Dec	2	innual
1971	P Q	1.57 0.659	4.83 1.595	2.68 0.858	2.0		7.91 1.207	2.85 0.480	3.48 0.325	3.30 0.239	5.45 0.595	5.09 0.775	2.33 0.50			2.76 8.508
STA AV	P Q	2.33 0.866	3.45 1.246	3.32 1.270	2.3		3.56 0.527	2.65 0.369	3.52 0.244	3.86 0.471	3.25 0.258	3.28 0.467	2.89 0.53			7.42 7.685
	YRRO			HAEGE ((in/hr)	AND						S SELECTE		INTERV	ALS	
	ABBU	Maxi Disch Date	arge		ır	2 В		aximum 6 Ho	Volume :	for Sele	cted Tim	S SELECTE Interva Day Vol.	1 2 D:		8 1	ays Vol.
1971	ABBU	Maxi Disch	mum arge Rate	1 Hou	r ol.	2 B	Nours Vol.	aximum 6 Ho Date	Volume :	For Sele	cted Tim	e Interva 1 Day	1 2 Date	ays Vol.	8 I Date	Ŷol.
1971	ABSU	Hazi Disch Date	mum arge Rate	1 Hou	r ol.	2 E Date 9-12	Nours Vol.	aximum 6 Ec Date 5-30	Volume : urs Vol. :	For Sele 12 Hour Date Vo	cted Tim	e Interva 1 Day e Vol.	1 2 Date	ays Vol.	8 I Date	Ŷol.

NoTES: Watershed conditions: Hired cover, cultivated, 30%; permanent pasture, usually a good cover of native grass mixture, 26%; farm woods, a mirture of hardwoods and pine, 37%; roads, 1%; idle, 6%. For topographic map of vatershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1968, USDA Biscs. Pub. 1330, p. 13.015-4. For drainage pattern map of watersheds, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1960-61, USDA Biscs. Pub. 594, p. 13.15-5. Frecipitation: Thissens weighted from R-1, R-2 and R-3. STA MY determined from continuous records from September 1960 through 1971. For long-time pre-cipitation encords, see Hadional Weather Service records at Dedictor, Hyghalian

1971	DA	ILY PRECI	PITATION	(inches)		BLACKS	BLACKSBURG VIRGINIA CHESTNUT BRANCE WATERSHED (13015)								
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec			
1	0.0 E	0.0	0.0	0.0	0.0	0.0	0.28	0.60	0.0	0.60	0.0	0.0			
2	0.0	0.0	0.44	0.13	0.04	0.0	1.08	0.66E	0.0	0.35	0.01E	0.0			
3	0.0	0.01	0.81	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.74	0.0			
4	0.66E	0.005	0.01	0.0	0.0	0.01	0.0	0.03E	0.0	0.0	0.0	0.0			
5	0.08E	0.61L	0.0	0.0	0.01	0.03	0.0	0.11E	0.0	0.40	0.0	0.0			
6	0.0	0.58	0.0	1.08E	0.20	0.0	0.32E	0.09E	0.0	0.02	0.0	0.12			
7	0.0	0.46	0.0	0.47B	0.46	0.25	0.02B	0.0	0.12	0.0	0.0	0.66			
8	0.0	0.40	0.0	0.0	0.10	0.13	0.0	0.0	0.0	0.0	0.0	0.0			
9	0.015	0.0	0.0	0.0	0.0	0.0	0.19E	0.0	0.0	0.98E	0.0	0.0			
10	0.0	0.0	0.0	0.0	0.0	0.0	0.118	0.0	0.0	0.47E	0.0	0.03			
11	0.0	0.0	0.0	0.0	0.0	0.0	C.02E	0.79	0.64	0.0	0.0	0.0			
12	0.0	0.26H	0.0	0.0	0.41	0.38	0.11B	0.0	2.75	0.0	0.0	0.03			
13	0.07	1.035	0.0	0.0	1.80	0.0	0.0	0.0	0.03	0.0	0.0	0.0			
14	0.08	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0			
15	0.02	0.0	0.40	0.0	0.65	0.52	0.0	0.0	0.0	0.0	0.0	0.0			
16	0.0	0.0	0.0	0.0	0.44	0.53	0.02	0.0	0.09	0.10E	0.0	0.0			
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.02	0.02E	0.0	0.02			
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.03	0.0	0.0	0.0			
19	0.0	0.0	0.48	0.0	0.0	0.0	0.05	0.03	1.48	0.0	0.07E	0.02			
20	0.0	0.11	0.0	0.0	0.14	0.0	0.0	0.0	0.09	0.07E	0.0	0.31			
21	0.0	0_0	0_0	0-01	0.02	0.0	0.0	0.0	0.03	0.01E	0.0	0.0			
22	0.18	1.22	0.0	0.0	0.0	0.01	0.0	0.03	0.11	0.11E	0.0	0.0			
23	0.19	0.0	0.0	0.09	0.0	0.07	0.0	0.0	0.05	1.48E	0.18E	0.0			
24	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.14E	0.90E	0.0			
25	0.22	0.0	0.0	0.0	0.013	0.45	0.04E	0.0	0.0	0.33E	0.0	0.0			
26	0.01	0.14	0.54B	0.0	0.0	0.0	0.08E	0.01	0.01	0.0	0.0	0.0			
27	0.0	0.02	0.0	0.04	0.0	0.0	0.0	0.65	0.0	0.0	0.16E	0.0			
28	0.0	0.0	0.0	0.24	0.88E	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
29	0.0		0.0	0.0	1.66E	0.42	0.63E	0.0	0.0	0.0	0.29	0.0			
30	0.04		0.0	0.0	1.06B	0.0	0.05E	0.0	0.0	0.0	0.0	0.011			
31	0.0		0.0		0.03E		0.39E	0.0		0.0		0.0			
TAL	1.57	4.83	2,68	2.05	7.91	2.85	3.48	3.30	5.45	5.09	2.33	1.21			
A AV	2.33	3.45	3.32	2.31	3.56	2.65	3.52	3.86	3.25	3.28	2.89	3.00			

NOTES: Precipitation amounts are Thiessen weighted values from rain gages E-1, E-2, and E-3. STA AV based on record period September 1960 through 1971.

197	71	HEAR DAIL	DISCHAR	EE (cfs)		BLACKS	BURG VIRG	INIA CHE	STNUT BRA	HCH WATER	SHED (130	15)
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Noa	Dec
1	0.608	0.492	1.042	0.813	0.608	1.680E	0.542	0.838	0.216	0.393	0.804	0.966
2	0.570	0.431	1.476	0.839	0.619	1.333	2.452	1.104	0.214	1.178	0.763	0.873
3	0.536	0.493	5.163	0.774	0.643	1.015 0.885	1.288	0.522	0.202	0.605 0.522	1.717 0.935	0.843
5	0.865 4.724	0.621	3.460 1.950	0.702	0.636	0.885	0.593	0.3/3	0.206	0.522	0.935	0.796
5	4.724	1.705E	1.950	0.090	0.617	0. 793	0.505	0.303	0. 192	0.040	U.017	0.121
6	2.370	2.383E	1.600	1.742	0.731	0.715	0.582	0.399	0.192	0.595	0.779	0.734
7	1.581	4.972	1.354	4.374	0.789	0.671	0.535	0.346	0.192	0.476	0.708	2.939
8	1.194	6.331	1.157	2.411	0.692	0.753	0.443	0.311	0.192	0.442	0.661	1.542
9	1.035	2.487	1.040	1.595	0.526	0.614	0.465	0.282	0.192	1.203	0.661	1.187
10	0.959	1.593	1.013	1. 194	0.477	0.550	0.444	0.273	0.184	3.502	0.609	1.039
11	0.865	1.164	0.986	1-049	0.473	0.517	0.433	0.587	0.181	1.425	0.579	0.963
12	0.843	1.388	0.928	0.957	0.528	0.677	0.406	0.410	10.541	0.915	0.555	0.896
13	0.849	15.923	0.869	0.883E	3.600	0.593	0.368	0.282	0.999	0.745	0.555	0.837
14	0.980	3.111	0.843	0.801	1.493	0.505	0.357	0.253	0.510	0.678	0.555	0.779
15	0.808	1.851	1.092	0.834	1.169	0.655	0.325	0.241	0.422	0.587	0.555	0.779
16	0.669E	1.410	0.890	0.727	5.001	1.196	0.309	0.251	0.370	0.558	0.555	0.767
17	0.661E	1.157	0.764	0.700	1.835E	0.767	0.290	0.263	0.371	0.613	0.522	0.71
18	0.661E	1.025	0.725	0.697	1.130E	0.673	0.267	0.329	0.361	0.572	0.491	0.647
19	0.634E	0.981	1. 131	0.661	0.928E	0.599	0.308	0.279	3.481	0.511	0.523	0.667
20	0.581E	1.065	0.947	0.642	0.785	0.539	0.291	0.258	1.954	0.544	0.555	0.938
21	0.555	0.924	0.804	0.608	0.828	0.497	0.257	0.236	0.893	0.531	0.501	0.815
22	0.604	6.992	0.779	0.588	0.739	0.513	0.249	0.251	0.777	0.550	0.491	0.734
23	0.832	4.618	0.753	0.614	0.710	0.558	0.243	0.248	0.647	3.809	0.491	0.725
24	0.660	2.165	0.725	0.603	0.661	0.487	0.258	0.208	0.551	3.470	0.698	0.725
25	0.700	1.637	0.725	0.577	0.691	0.994	0.279	0.211	0.442	3.015	0.810	0.695
26	0.687E	1.426	0.857	0.611	0.608	0.643	0.293	0.184	0.444	1.617	0.666	0.661
27	0.608E	1.435	1.139	0.611	0.559	0.550	0.255	0.357	0.422	1.190	1.034	0.661
28	0.608	1.137	1.141	0.750	0.817	0-417	0.239	0.271	0.401	0.971	0.980	0.661
29	0.608		1.020	0.639	1.694	0.487	0.443	0.230	0.376	0.882	1.480	0.661
30	0.715		0.911	0.608	20.215E	0.482	0.337	0.228	0.363	0.869	1.170	0.661
31	0.720		0.846		2.865E		0.402	0.224		0.843		0.627
A H	0.9448	2,5328	1.2301	0.9767	1.7312	0.7119	0.4664	0.3431	0.8829	1. 1112	0.7407	0.879
CHES	0.659	1.595	0.858	0.659	1.207	0.480	0.325	0.239	0.596	0.775	0.500	0.61
A AV	0.866	1.246	1.270	0.745	0.527	0.369	0.244	0.471	0.258	0.467	0.538	0.68

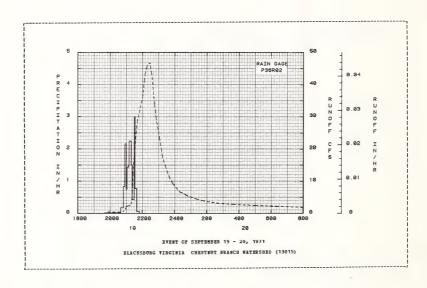
BOTES: To convert CFS to IB/DAY, multiply by 0.022496. STA AV based on record period September 1960 through 1971.

ANTEC	EDENT CONDI	TORC			MPALL			RUNO		
Date Rainfall Bunoff				Time	Intensity		Date	Time	Rate	Acc.
Ho-Day	(inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			EAE	WT OF SEPT	reaber 19 -	20, 1971				
	RG P36R02			RG P36F	02					
9-19	0.35	0.011	9-19	1940	0.0	0.0	9-19	1952	0.416	0.0
				2010	0.0200	0.01		2040	0.437	0.0003
				2040	0.0200	0.02		2050	0.619	0.0004
				2050	0.1801	0.05		2052	0.843	0.0004
				2055	0.8400	0.12		2058	1.408	0.0005
	COMDITIONS:									
	er, cultivate			2100	2.1598	0.30		2102	2.294	0.0006
	pasture, usi			2104	0.7498	0.35		2103	2,230	0.0006
	of native			2109	1.4402	0.47		2116	2.539	0.0011
	26%; farm woo			2111	1.5000	0.52		2118	2.816	0.0012
	hardwoods a			2115	2-2497	0.67		2120	3.574	0.0013
	roads, 1%;	idle,								
				2119	2.2499	0.82		2123	5.739	0.0015
				2123	1.5001	0.92		2125	9.324	0.0017
				2130	0.4286	0.97		2126	12.972	0.0019
				2133	3.0006	1.12		2127	14.487	0.0022
				2140	0.7714	1.21		2129	16.984	0.0027
				2150	0.0601	1.22		2130	17.645	0.0030
								2131	18.253	0.0033
								2134	20.931	0.0042
								2137	24.953	0.0052
								2140	27.311	0.0064
								2143	29.177	0.0077
								2202	36.869	0.0175
								2208	41.979	0.0213
								2210	43.259	0.0225
								2218	46.033	0.0281
								2224	46.673	0.0325
								2228	46.428	0.0354
								2235	42.939	0.0403
								2245	34.074	0.0464

NOTES: To convert CPS to IN/HR, multiply by 0.0009374.

1					PATHPALL BUBOPP							
		ENT CONDIT	IOMS		RAI	HFALL				'F Rate	Acc.	
,	Date Io-Day	Rainfall (inches)	(inches)	Ho-Day	of Day	Intensity (in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)	
				EVENT OF	SEPTEMBER	19 - 20,	1971 (CON	TINUED)				
								9-19	2249	31.215	0.0484	
									2252	29.039	0.0497	
									2304	29.039 23.321 19.245	0-0547	
									2312	19.245	0.0573	
									2316	17.293	0.0584	
									2326	14.658	0.0609	
										13, 122	0.0622	
										11.447		
									2351	9.633	0.0655	
									2400	8.577	0.0668	
								9-20	20	6.614	0.0692	
								,	28	6.433	0.0700	
									36	5.996		
									50	5.387	0.0721	
									122	4.449	0.0745	
									144	3.969	0.0759	
									238	3, 158	0.0789	
									340	2.795		
									500	2.432	0.0851	
									512	2.432	0.0856	
									620	2.187	0.0881	
									752	1-942	0.0911	
									1040	1.675	0.0958	
									1200	1.590		
									1844	1.013	0.1060	
									2100	0.949	0.1081	

HOTES: To convert CFS to IM/HR, multiply by 0.0009374.



KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

LOCATION: Northumberland County, Pennsylvania 6 miles northeast of Klingerstown, Pennsylvania: Mahantango Creek Ratershed, Susquehana Biver Basin.

AREA: 1773.00 acres 2.77 sq. miles

#C	DHTHLY	PRECIP	ROITATION	AND RUNO	PF (inche	s)	KI	INGERST	OWN, P	ENHSYLV	PRIF	WATERS	HED WE	-38		
		Jan	Feb	Har	Apr	Нау	Jun	Jul	Aug	Se Se	P	Oct	Nov	Dec	1	lonual
1971	P Q	1.97	4.21 5.476	2.15 3.597	0.84 0.626	3.93 1.270	1.59 0.307	5.52 0.337	3.1 1.0		84 452	2.47 0.540	3.80 1.57			36.04 19.832
STA AV	P Q	1.59 0.996	2.07 3.077	2.56 2.624	2.78 2.020	3.88 1.456	3.86 0.795	4.13 0.452	3.2 0.5		64 520	2.59 0.308	4.10 1.71			86.83 16.372
	ANNU	AL MAXII	UM DISC	HARGE (in	/hr) AND	HAXINUH	AOTAN	S OF RU	NOPP (inches)	FOR	SELECTE	D TIME	INTERV	ALS	
		Maxia Discha Date	rge	1 Hour Date Vol			6 H	urs	12 Ho	urs	1	Interva Day Vol.	2 D	ays Vol.		ays Vol.
1971		2-13	125	2-13 0.							2-13	1.372	2-13	1.660	2-20	2.725
						HAXIMUMS				_						
		2-13 (1971	. 125	2-13 0. 1971	120 2-13 1971	0.226	2-13 1971		4- 2 1970		4- 2 1970	1.721	4- 2 1970	2.401	3-31 1970	3.381

NOTES: Watershed conditions: sized core area, -rr rotation of corn, small grain, small grain and native grasses, respectively continued. Popetative covery corn, 20.45; small grain 20.45; small grain and native grasses, wegetables, 0.75; idle, 0.65; orchard, 0.55; bosenteads and roads, 3.15; forest, 77.85. Precipitation and runoff records began Jam. 1, 1966. Precipitation dat runoff records began Jam. 1, 1968. Precipitation data Thieseen weighted average for rain ages 37 and REJ7. Length of record by record tyr (1968-71). For long-time precipitation records, see National Weather Service records at Selinsgrove, CAA Airport, Pennsylvania

197	1 DA	ILY	AIR T	BMPE									ERSTO		PENNS	YLVA	HIA	WATE	RSHE	BE-	38			
Day	Ja max		Pe max		5a	ır	Ap	r	Вa	7	Jτ	n	Ju	1	na x		Se max		Oc max	t min	Bax		De max	
1	28	20	8	1	48	32	56	30	59	34	72	44	86	69	72	64	69	62	70	60	64	59	32	20
2	32	14	10	0	36	30	54	31	51	44	65	55	79	60	78	67	70	62	74	64	78	51	28	15
3	38	24	19	0	33	27	51	24	52	40	78	62	80	50	76	64	78	64	81	60	57	33	31	12
4	44	30	26	16	26	21	48	28	58	38	84	60	80	54	67	60	82	62	60	57	46	28	35	16
5	現相	26	37	26	40	26	42	28	68	38	80	57	83	54	76	56	86	65	72	58	53	25	32	20
6	25	17	40	26	48	26	41	30	54	41	80	59	86	63	77	51	86	66	66	50	57	31	42	30
7	21	12	36	26	41	28	49	31	66	38	54	56	88	60	82	54	79	64	59	36	57	27	46	38
8	22	10	34	30	28	22	49	29	53	48	86	62	91	60	84	60	82	66	59	34	36	26	40	37
9	25	16	31	10	32	20	68	33	52	46	74	59	88	66	83	61	88	63	60	42	38	19	42	38
10	39	15	23	4	38	18	50	35	69	42	76	56	81	62	82	63	82	68	57	48	40	31	50	42
11	42	34	34	12	42	27	61	34	72	44	78	50	64	57	80	67	77	68	6.1	46	40	28	54	32
12	40	17	47	32	41	26	70	34	64	58	82	60	77	54	73	54	77	67	58	36	53	29	54	3
13	22	12	48	20	43	33	76	47	56	43	79	60	78	56	79	49	75	60	62	39	54	33	46	3:
14	33	22	24	16	54	38	57	33	67	36	68	58	77	62	81	54	75	60	72	52	45	28	34	2
15	34	21	29	17	56	40	50	29	62	40	57	53	80	52	77	56	79	63	70	44	50	36	57	3
16	23	14	32	22	54	31	59	34	56	48	67	52	82	61	75	57	72	58	64	47	52	36	54	4
17	23	11	32	20	54	27	56	36	71	46	76	52	84	62	80	5.2	73	58	65	48	54	38	41	2
18	22	6	46	26	40	25	60	40	77	45	78	56	77	54	82	55	69	61	63	43	60	37	28	15
19	16	3	42	35	34	32	67	42	85	56	78	56	76	59	80	65	68	60	70	38	50	42	32	14
20	26	10	43	35	32	30	66	42	72	54	83	62	73	54	80	60	74	64	56	52	44	31	38	3:
21	36	12	41	32	38	30	68	42	64	49	80	64	80	50	82	64	64	48	68	49	40	33	44	3.
22	40	31	36	31	42	30	52	42	60	45	79	60	81	56	78	64	65	42	65	46	33	25	33	21
23	39	23	37	30	38	25	59	32	67	42	83	58	82	62	73	56	62	58	64	56	33	20	32	15
24	36	22	36	30	33	21	55	34	68	46	85	64	80	62	69	50	63	46	59	53	34	26	49	33
25	40	29	42	30	37	20	48	34	74	54	86	62	82	65	78	47	63	38	62	57	34	31	40	3:
26	35	17	50	30	38	26	47	38	62	53	81	64	85	67	80	64	54	52	62	53	35	30	46	35
27	15	6	56	40	46	25	58	35	62	42	85	63	77	58	67	62	60	54	66	52	38	32	51	41
28	16	7	50	36	52	26	50	43	60	40	87	66	78	55	74	59	66	60	73	55	40	33	53	3.
29 30	31 38	6 16			45 40	37 30	47 53	42	70 62	46 55	76 86	64	80 74	66 60	78 80	58 57	76 72	62	72	48	40 37	32	37	24
31	15	3			46	26	53	40	75	53	86	68	78	66	74	60	12	62	61	48 57	37	30	46	27
	30		35		41	28		35			70	59				58								
V. EAN	23		29			- 4	56	_4	64 54			59		. 59 . 8	77	. 9	73 66	59	65	49		.2	42	2
TAAV	29		34			28	59		66		77		81		79		74			46		34	36	

NOTES: Temperature data taken daily with maximum and minimum thermometers, except on weekends and holidays, when data takem from bygrothermograph charts. The recording period is from 0930 for the date shown to 0930 the following day. Data recorded at Bal7 meteorological station. STA AF based on 4 yr (1968-71) record period.

1971	DA	ILY PRECI	PITATION	(inches)		KLING	ERSTOWN, I	PENNSYLVAN	IA WATER	SBED WE-3	8	
Day	Jan	Feb	dar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	HOV	Dec
1	0.285	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.96	0.0
2	0.0	0.0	0.0	0.33	0.56	0.09	0.0	0.10	0.0	0.0	0.40	0.0
3	0.0	0.0	0.605	0.05	0.09	0.0	0.0	0.92E	0.0	0.0	0.0	0.0
4	0.84	0.15L	0.115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.22L	0.048	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.47	0.19	0.0	0.0	0.0	0.09	0.0	1.5
7	0.0	0.301	0.09	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.1
8	0.0	0.50H	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.05N	0.0	0.0	0.0	0.0	0.09	0.198	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.09	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.94	0.0	0.0	0.0
12	0.0	0.0	0.37	0.0	0.19	0.09	0.0	0.0	0.28	0.0	0.0	0.0
13	0.208	1.50	0.0	0.0	1.12	0.47	0.09	0.0	0.66E	0.0	0.0	0.0
14	0.088	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.2
15	0.0	0.0	0.28	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.09	0.0
16	0.0	0.0	0.0	0.09	0.28	0.0	0.0	0.0	0.28	0.0	0.0	0.0
17	0.0	0.19	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.66	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.12	0.0
20	0.0	0.09	0.0	0.0	0.0	0.0	0.07	0.09	1.22	0.0	0.07	0.0
21	0.09	0.0	0.0	0.0	0.37	0.28	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.14	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0 E	0.0	0.0
24	0.05	0.0	0.0	0.0	0.09	0.0	0.07	0.0	0.0	0.0	0.18	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	1.04	0.0
26	0.09H	0.10	0.0	0.0	0.0	0.0	1.40	0.0	0.26	1.31B	0.0	0.0
27	0.0	0.18	0.0	0.0	0.0	0.0	0.0	1.31	0.02	0.0	0.0	0.0
28	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.09	0.09	0.0	0.0	0.0
29	0.13		0.0	0.0	0.0	0.0	1.03	0.0	0.0	0.0	0.75	0.0
30	0.06		0.0	0.0	0.28	0.09	1.01	0.0	0.0	0.0	0.0	0.2
31	0.0		0.0		0.09		0.39	0.0		0.13		0.0
AL	1.97	4.21	2.15	0.84	3.93	1.59	5.52	3.18	3.84	2.47	3.80	2.5
AA	1.59	2.07	2.56	2.78	3.88	3.86	4.13	3.29	3.64	2.59	4.10	2.3

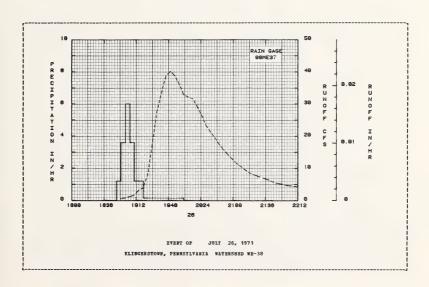
NOTES: Precipitation values are Thiessen weighted average of rain gages RB37 and RE37. STA AV based on 4 yr (1968-71) record period.

19	71	MEAN DAIL							HIA WATE			
Day		Peb		Apr		Jun	Jul		Sep		Bov	Dec
1	1.815	4.262	12.505	2.826	0.905	1.334	0.414	5.620	0.457	0.786	5.703	13.399
2	1.625	0.803	9.596	3.225	1.540	1.302	0.344	6.078	0.440		13.012	8.745
3	1.472	0.758	8.399	2.885	1.221	1.275	0.296	13.048	0.436		14.278	6.316
4	5.563	0.817	6.938	2.221	1.064	1.122	0.290	14.311	0.405	0.690	8.715	4.744
5	11.618	0.987	6.889	2.124	1.004	1.042	0.284	7.697	0.387	0.640	5.477	3.757
6	9.590	1.614	5.921	2.201	1.664	1.071	0.285	4.764	0.374	0.690	4.082	13.357
7	7-224	1.064	12.614	2.188	1.367	0.985	0.266	3.482	0.351	0.603	3.489	46.316
8	5.689	1.390	11.976	1.861	1.860	0.903	0.242	2.552	0.350	0.536	2.547	37.498
9	4.796	3.286	8.862	1.717	1.867	0.812	0.286	1.872	0.337	0.530	2.059	21.531
10	4.171	1.345	7.230	1.585	1.769	0.741	0.265	1.579	0.316	2.308	1.963	14.418
11	3.697	1.037	7.410	1.443	1.742	0.683	0.405	1.425	0.846	1.443	1.728	10.641
12	3.285	2.316	8.301	1.432	1.971	0.725	0.310	1.174	1.037	1.206	1.555	8.079
13	2.892	93.622	12.199	1.478	8.396	0.933	0.277	1.016	1.934	1.117	1.394	6.620
14	2.821	28,929	13.276	1.447	9.859	1.108	0.267	0.949	1.352	1.050	1.196	5.814
15	2.537	10.190	16.213	1.303	7.382	0.940	0.243	0.885	0.993	0.978	1,251	5.489
16	2-128	6.818	14.781	1.305	7-139	0.776	0.230	0.783	0.881	0.939	1.135	4.642
17	1.962	5.134	11-414	1.302	5.630	0.673	0.314	0.715	0.815	0.831	1.028	4.037
18	1.964	8.659	8.585	1.200	4.659	0.603	0.241	0.675	0.668	0.807	1,010	3,551
19	1.667	14.503	10.756	1.124	4.104	0.582	0.450	0.681	0.628	0.750	1.121	3.208
20	1,521	21.929	12.476	1,132	3.642	0.567	0.323	0.645	2.626	0.716	1.107	3.290
21	1.509	24.756	10.532	1.175	3.880	0.631	0.242	0.667	4.645	0.687	1.031	3.040
22	1.506	42,573	8.855	1.148	3.295	0.580	0.216	0.597	2.952	0.687	0.878	2.356
23	1-548	40.451	7.531	1.092	2.952	0.500	0.212	0.551	2.167	0.687	0.732	2.110
24	1.343	19.506	6.327	1.075	2.682	0.480	0.205	0.462	1.603	1.008	0.792	2.269
25	1.355	14.877	5.173	1.046	2.319	0.491	0.326	0.447	1.259	2.715	1.998	2.105
26	1.686	13.979	4.686	1.075	2.025	0.430	2.552	0.420	1.317	3.849	1.542	2.128
27	1.514	24.329	4-220	0.943	1.855	0.404	0.782	1.451	1.195	3.486	1.853	1.972
28	2.447	18.044	4.116	1.112	1.727	0.396	0.403	0.839	1.111	3.038	2.591	1.909
29	1. 155		3.777	1.034	1.637	0.379	2.591	0.577	0.956	2.304	10.632	1.688
30	1.197		3.383	0.957	1.783	0.378	3.076	0.501	0.861	1.899	21.692	2.043
31	1.595		3.047		1.661		8.451	0.472		1.783		1.775
BEAN	3.061		8.644	1.555	3.052	0.762	0.809	2.482	1.123	1.298	3.919	8.027
INCHES	1.274		3.597	0.626	1.270	0.307		1.033	0.452	0.540		3.340
STA AV	0.996		2.624	2.020	1.456	0.795	0.452	0.542	0.520	0.308	1.718	1.864

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.013425. Records are good. Some periods of winter records are affected by ice on control, no adjustments were made for these records. STA AV based on 4 yr (1968-7)! record period.

71 SE	LECTED RUSO	FF BVBHT			KLIBGERS	TOWN, PENE			D #E-38	
ANTECH	DEET COMDI	CIONS		RAI	INPALL			RUBOF		
Date Ho-Day	Rainfall (inches)	Runoff (inches)			Intensity (in/hr)		Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			В	VENT OF	JULY 26	, 1971				
	RG 00HB37			RG 00H	R37					
7-26	0.0	0.002	7-26	1850	0.0	0.0	7-26	1855	0.469	0.0
				1855	1.2001	0.10		1900	0.731	0.0
				1900	3.5994	0.40		1905	1. 180	0.0
				1905	6-0004	0.90		1910	1.616	0.0001
				1910	3.6003	1.20		1915	3, 154	0.0002
ATERSHED	CONDITIONS:									
zed cover	area, 4-vi			1915	1.1999	1.30		1920	3.942	0.0004
tation of	corn, smal	ll grain.		1920	1,2000	1.40		1925	8.304	0.0007
all grain	and native	3		2005	0.1333	1,50		1930	17.654	0.0013
BSSSS. NO	st of which	18		2105	0.0	1.50		1935	27.507	0.0023
avily cor	toured. Ve	getative						1940	33,470	0.0037
	m. 20.4%;									
	%; pasture							1945	38.744	0.0054
V. 12.9%	vegetables	. 0.7%:						1950	40.166	0.0072
lle. 0.6%	orchard,	0.5%:						1955	38.744	0.0090
	and roads,	3.1%;						2000	36.051	0.0108
rest, 37.	.8%.							2005	32.834	0.0124
								2010	32, 198	0.0139
								2015	31.598	0.0154
								2020	29.199	0.0168
								2025	26.379	0.0181
								2030	23.237	0.0193
								2035	21, 255	0.0203
								2040	19.406	0.0212
								2045	17.224	0-0221
								2050	15.597	0.0229
								2055	14.045	0.0236
								2100	12.608	0.0242
								2105	11.265	0.0247

NOTES: To convert runoff in CPS to IN/HR, multiply by 0.000559.



MCCREDIE, MISSOURI STATION RESERVOIR W-1

LOCATION: Callaway County, No.; 1 mi. S.E. of McCredie; Crows Fork Creek, Auxvasse Watershed, Missouri River Basin.

ARRA: 153,00 acres

HO	HTHLY	PRECIPI	TATION	AND BUN	OFF (inc	hes)		MCCE	EDIE, HIS	SOURI	STATION	RESERVO:	IR W-1	
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	How	Dec	Annual
	P	1.35	2.12	0.69	1.29	4.63	1.87	3.35	1.56	2.56	1.50	2.17	4.39	27.48
1971	Q	0.945	1.127	0.089	0.0	0.261	0.038	0.0	0.0	0.0	0.0	0.0	0.230	2.690
TA AV	P	1.43	1.58	2,57	3.70	4.33	4.61	3.60	2.81	3.88	3.61	1.93	1.73	35.76
	Q	0.532	0.668	1.064	1.128	0.916	1.047	0.526	0.130	0.548	1.110	0.382	0.351	8.403
		Maxi Discha	arge	1 Hou		2 Hours	6 Ho	urs	or Select	1	Day	2 Da		8 Days
			arge	1 Hou Date V			6 Ho	urs		1		2 Da		8 Days te Vol.
1971		Discha	arge Rate	Date V	ol. Da	2 Hours	6 Ho	urs Vol. D	12 Hours ate Vol.	. Date	Day Vol.	2 Da Date	vol. Da	te Vol.
1971		Discha Date E	arge Rate	Date V	ol. Da	2 Hours te Vol.	6 Hor Date	urs Vol. D 0.645 1	12 Hours ate Vol.	. Date	Day Vol.	2 Da Date	vol. Da	te Vol.

NOTES: Watershed conditions: 40% Pasture and meadow; 51% corn; 30% soybeans; and 6% roads and farmsteads. Precipitation Thiessen average of a recording gages and 1 non-recording gage. Precipitation and runoff records began Jan.1, constant vatershed area of 15% acres, including reservoir surface area. Previous published runoff amounts and rates were computed with a variable watershed area eggal to the total area less the reservoir surface area, which was a function of reservoir stage. For topographic map of watershed, see Bydrologic Data for Spreimental Agricultural Watersheds in the United States, 1963, USDM Misc. Pub. 1864, p. 25.1-13. For long-time precipitation records, see Rational Neather Service records at Columbia, Miscount (1890-1871).

Day	Ja max		Pe man		Ba	r	Ap	E	Ma max	y	Ju	n	Ju		Na E		Se max		00 max		No.			ec m
1	44	30	22	6	45	32	75	41	70	46	83	62	84	63	80	54	88	64	88	64	77	42	34	
2	43	31	22	6	44.44	29	51	34	70	43	80	60	85	60	83	57	86	67	87	62	73	42	34	-
3	47	33	26	21	32	19	54	32	64	38	84	58	85	60	83	61	87	70	75	64	57	35	36	-
5	23	10	35 40	26 17	46 55	17 32	52 44	35 35	68 74	39 54	86 87	64 68	85 79	66 67	86 77	61	88 89	68 69	75 81	50 49	64 64	29 47	39 42	-
6	16	и	26	14	55	32	53	31	74	60	87	68	86	63	77	62	91	68	78	49	60	36	42	
7	26	7	25	14	33	28	65	33	70	57	86	70	89	66	77	63	92	68	70	44	39	15	44	
8	29	15	10	0	39	23	75	42	69	53	86	68	93	72	88	67	94	69	69	52	43	31	47	
9	39	19	15	2	47	29	74	51	74	48	81	61	93	71	89	67	91	70	58	40	51	35	46	
10	39	23	42	13	43	29	73	38	70	58	80	64	83	70	91	66	88	67	64	38	65	26	53	
11	30	22	50	36	60	34	79	54	72	57	84	69	83	69	91	67	88	66	70	43	67	33	47	
12	26	17	48	24	67	38	85	59	73	47	88	68	92	67	84	56	83	57	76	38	76	38	43	
13	30	20	24	7	73	39	84	47	67	40	86	68	92	75	90	65	87	58	75	53	75	46	36	
14	30	19	37	17	82	59	66	39	79	46	81	68	91	64	91	65	100	53	75	39	75	60	44	
15	25	9	40	27	53	42	74	43	80	53	79	65	83	67	87	64	98	58	81	47	70	56	63	
16	37	12	48	26	51	34	82	51	80	57	80	65	87	60	80	63	65	54	80	51	70	48	44	
17	37	17	58	27	55	28	81	58	84	60	82	65	91	65	81	61	66	54	78	61	70	46	40	
18	20	18	65	41	55	45	76	60	84	64	90	68	91	68	87	59	65	52	81	64	66	44	44	
19 20	18 37	7	63 45	45 33	52 46	33	83 83	58 57	80 72	56 48	90	73	73 78	64 57	91 91	71	57 69	53 48	78 73	68	48 60	29 40	40 37	
21	39	31	36	31	-	33	70	46	20	53	83	67	83	58	88	68	70	43	73	61	55	28	35	
22	43	24	35	31	62	31	70	43	76 75	58	83	62	85	60	88	67	70 72	45	72	55	38	19	45	-
23	40	16	31	29	39	26	63	48	71	56	87	66	84	68	93	66	70	52	65	58	36	30	57	
24	48	22	43	20	35	20	69	45	71	61	90	64	78	64	93	65	66	47	63	56	38	31	53	
25	49	28	59	30	33	28	72	46	65	50	94	71	87	62	93	66	75	54	73	47	51	26	64	
26	48	16	60	46	46	27	74	53	65	46	94	70	77	66	84	60	88	64	75	51	45	37	59	
27	21	7	46	32	61	33	74	53	62	49	94	71	80	53	77	52	90	69	75	56	45	35	64	
28	25	15	44	28	61	44	66	43	67	44	91	68	80	65	80	52	91	70	76	44	40	35	32	
29	53	19			52	33	61	37	72	46	91	70	77	55	84	56	89	70	80	53	34	34	41	
30 31	52 19	18			68 76	29 50	65	38	75 84	50 64	89	71	70 74	54 50	84 86	56 54	90	66	82 79	58 34	33	28	56 44	
	34	18	39	23	52	32	70	45	73	52	86	67	84	64	85	62	82	60	75	52	56	36	45	
AN	25			2		- 2		. 4	62			-5		-7		7	71			-6		. 1	38	

NOTES: Temperature data taken daily with the marimum and minimum thermometers, except on weekends and holidays, when data taken from hygrothermograph charts. The recording period is from 1700 of the previous day to 1700 of the day on which values are recorded. STA AV hased on 31 yr (1941-1971) record period.

196	9 D	AILY PREC	IPITATION	(inches)			MCCREDIE,	MISSOURI	STATIO	N RESERVOIR	H-1	
Day	Jan	Peb	Bar	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.38	0.0
2	0.06 1.29	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.14	0.0	0.0
3	0.0	1.11	0.0	0-17	0.0	0.0	0.50	0.0	0.42	0.50	0.0	0.0
5	0.0	0.0	0.0	0.03	0.03	0.0	0.0	0.0	0.32	0.0	0.05	0.08
6	0.0	0.0	0.15	0.07	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.32
7	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.08	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.05	0.09	0.0
9	0.0	0.0	0.40	0.0	0.0	0.0	0.53	0.0	0.04	0.0	0.0	0.23
10	0.0	0.0	0.0	0.0	0.26	0.41	0.0	0.69	0.0	0.0	0.0	1.06
11.	0.0	0.03	0.0	0.0	1.08	0.0	0.08	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.04
13	0.0	0.0	0.0	0.02	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.21
14	0.0	0.0	0.11	0.0	0.0	0.95	0.45	0.26	0.0	0.0	0.0	0.88
15	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.03	0.50	0.0	0.0	0.60
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.89	0.0	0.27	0.0
19	0.0	0.03	0.0	0.0 0.62	0.0	0.0 0.08	0.0	0.0	0.0	0.74	0.0	0.18
20	0.0	0.0	0.0	0.62	0.0		0.0	0.0	0.0	0.02	0.0	0.0
21	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.02	0.0	0.0
22	0.0	0.23	0.0	0.0	0.32	0.0	0.0	0.05	0.0	0.0	0.0	0.0
23	0.0	0.01	0.0	0.0	0.97	0.0	0.09	0.0	0.0	0.0	0.03	0.0
24	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08	0.0
25	0.0	0.0	0.02	0.05	0.0	0.0	0.0	0.09	0.29	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.28	0.0
27	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.71	0.0
29	0.0		0.0	0_0	0.0	0.0	0.32	0.0	0.0	0.0	0.06	0.47
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.35	2.12	0.69	1.29	4.63	1.87	3.35	1.56	2.56	1.50	2.17	4.39
STA AV	1.43	1.58	2.57	3.70	4.33	4.61	3.60	2.81	3.88	3.61	1.93	1.73

FOTES: Precipitation data are Thiessen weighted values for 4 recording rain gages and 1 non-recording rain gage.

STA AV values are for 31 yr (1941-1971) record period.

197	1	MEAN DAILS	DISCHAR	GB (cfs)			MCCREDIE,	MISSOURI	STATION	RESERVOI	R W-1	
Day	Jan	Feb	Har	Apr	нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.033	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	5.588	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.399	3.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.055	0.123	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.121	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.122	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0-464	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.019
10	0.0	0.0	0.110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.222
11	0.0	0.0	0.0	0.0	0.798	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0-458	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0-244	0.0	0.0	0.0	0.0	0.0	0.193
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.579
16	0.0	0.0	0.0	0.0	0.0	0_0	0_0	0_0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.579	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.318	0.0	0.0	0.262	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.057	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	1.746	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.934	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0 180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.465
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
BAH	0.1960	0.2587	0.0185	0.0	0.0541		0.0	0.0	0.0	0.0	0.0	0.047
BCHES	0.945	1.127	0.089	0.0	0.261	0.038		0.0	0.0	0.0	0.0	0.23
VA AT	0.532	0.668	1.064	1, 128	0.916	1.047	0.526	0.130	0.548	1.110	0.382	0.35

HOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.155557. STA AV values are for 31 yr (1941-1971) record period.

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Muskingum River Basin.

AREA: 1.26 acres

HC	HTHLY	PRECIPI	TATION	AND RUNO	P (inche	s)			COSHOCTOR	, OHIO	WATERSH	ED 102		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	oct	How	Dec	Annual
1971	P Q	1.29	3.57 0.624	2.55 0.0	0.75 0.0	4.35 0.0	1.39	2.84	1.92	2.13 0.0	0.99 0.0	1.83 0.0	4.40 0.0	28.01 0.624
TA AV	P Q	1.85 0.046	2.26 0.087	3.96 0.112	3.26 0.060	3.96 0.009	4.45 0.149	4.25 0.173	2.96 0.033	2.38 0.016	2.32 0.009	2.42 0.001	2.39 0.0	36.45 0.694
	ANNU			HARGE (i)	/hr) AND				OPF (inche		SBLECTE		NTERVALS	
		Maxie							or Selecte					
		Maxim Discha Date F	rge	1 Hour Date Vol		Hours Vol.	aximum V 6 Hou Date V	irs	or Selecto 12 Hours ate Vol.	1	Day			8 Days te Vol.
1971		Discha	rge late	Date Vol	. Date	Hours ∀ol.	6 Hou	ol. D	12 Hours	Date	Day Vol.	2 Day Date V	ol. Da	
1971		Discha Date F	rge late	Date Vol	. Date	Hours ∀ol.	6 Hou Date V 2-4 0	ol. D	12 Hours ate Vol.	Date	Vol.	2 Day Date V	ol. Da	te Vol.

1971	DA	ILY PRECI	PITATION	(inches)			COSHO	CTOE, OH	O WATER	SHED 102		
Day	Jan	Peb	Har	Apr	Бау	Jun	Jul	Aug	Sep	Oct	How	Dec
1	0.0	0.0	0.0	0.11	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.05	0.09	0.05	0.0	0.0	0.07	0.0	0.25	0.0
3	0.11	0.0	0.305	0.0	0.0	0.05	0.0		0.05	0.0	0.0	0.0
th.	0.70	0.40	0.30S	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0
5	0.0	0.23	0.0	0.0	1.25	0.0	0.0	0.01E	0.0	0.0	0.0	0.52
6	0.0	0.0	0.55	0.0	1.55	0.35	0.0	0.0	0.07	0.0	0.128	0.52
7	0.0	0.0	0.098	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.125	0.52
8	0.0	1.328	0.098	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.36	0.07H	0.0
10	0.0	0.0	0.195	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0
11	0.0	0.0	0.105	0.0	0.07	0.0	1.20	0.09	0.0	0.0	0.0	0.0
12	0.0	0.348	0.39	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.10	0.0	0.0	0.20	0.0	0.66	0.0	0.0	1.27	0.0	0.0	0.05
14	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.55
15	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32
16	0.045	0.0	0.025	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.055	0.15	0.015	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.058
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.05	0.135	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.33	0.0
20	0.0	0.15	0.10S	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.13	0.158
21	0.0	0.0	0.0	0.07	0.0	0.11	0.0	0.11	0.0	0.0	0.0	0.0
22	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0
23	0.0	0.068	0.058	0.0	0.0	0.0	0.0	0.26	0.0	0.07E	0.0	0.0
24	0.085	0.075	0.0	0.0	0.0	0.0	0.68	0.0	0.0	0.10E	0.135	0.0
25	0.0	0.0	0.0	0.0	0.46	0.0	0.0	0.31	0.10	0.0	0.0	0.0
26	0.015	0.0	0.0	0.0	0.0	0.0	0.14	0.21	0.14	0.0	0.0	0.31
27	0.015	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.158	0.05E
28	0.015	0.0	0.0	0.03	0.0	0-04	0.09	0.0	0.0	0.0	0.0	0.16
29	0.038		0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.538	0.05E
30	0.0		0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.0	0.0	1.15
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.29	3.57	2.55	0.75	4.35	1.39	2.84	1.92	2.13	0.99	1.83	4.40
STA AV	1.85	2.26	3.96	3.26	3.96	4.45	4.25	2.96	2.38	2.32	2.42	2.39

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-95, p. 26.035-1. Precipitation amounts are for rain gage 7101. STA BY based on 23 yr period, part-years records included. Codes '2' may reflect estimated storm duration rather than estimated rainfall asounts.

197	/1	MEAN DAIL	Y DISCRAF	GE (cfs)				OCTOW, OR	IO WATER	SEED 102		
Day	Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
18	0.0	0.0012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HES	0.0	0.624	0.0 0.112	0.0 0.060	0.0	0-0 0-149	0.0 0.173	0.0 0.033	0.0 0.016	0.0	0.0	0.0

HOTES: To convert CFS to IM/DAY, multiply by 18.8902. STA AV based on 23 yr period, part-years records included.

LOCATION: Coshocton Co., Ohio; 10 mi. BE of Coshocton; Walhonding River, Muskingum River Basin.

AREA: 2.71 acres

80	BTHL	Y PRECIP	ITATION	AND RU	BOPP (i	nches)				COSE	OCTON,	OHIO	WATERSH:	ED 129			
		Jan	Feb	Mar	Apr	1	Say	Jun	Jul	A	ıg	Sep	Oct	₩o¥	Dec	B	nnual
1971	P Q	1-43 0-018	3.44 1.919	2.47 0.0	0.,5 0.,0		4.38 0.010	1.16 0.0	2.90 0.0			2.26 0.0	0.96 0.0	1.70 0.0	4.1 0.0		7.21 1.948
STA AV	P Q	2-67 0-091	2.38 0.164	3.46 0.15			3.84 0.045	3.96 0.134	4.30 0.12			2.56 0.036	2.10 0.010	2.47 0.00			6.16 0.870
	ABR	Maxi Disch	nun	CHARGE 1 Ho		AND 8	 B:	aximus		for S	electe	d Time	SELECTE Interva	 1	INTERV		avs
		Date		Date				Date			Vol.		Vol.				Vol-
1971		2-19	0.086	2-19	0.086	2-19	0.166	2-19	0.456	2-19	0.609	2~19	0.833	2-18	1.142	2-14	1.422
1971		2-19	0.086	2-19	0.086		0.166 AXIMUMS			-		2~19	0.833	2-18	1.142	2-14	1.422

NOTES: Watershed conditions: Cover of improved practice pasture. For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USBA Bisc. Pab. 985, p. 26.3-5. For Geology description and map, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1952, USBA Bisc. Pab. 1070, pp. 26.3-1 and 26.30-3. Precipitation and tar from Francisch and States, 1952, USBA Bisc. Pab. 1070, pp. 26.3-1 and 26.30-3. Precipitation and tar from Francisch and States Pagna Bydrologic Doug-time precipitation records, see Sational Weather Service records at Coshocton, Ohio.

1971	DA	ILY PRECI	PITATION	(inches)			COSEC	CTON, OHI	O WATERS	HED 129		
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
- 1	0.0	0.0	0.0	0.08	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.02	0.06	0.05	0.0	0.0	0.09E	0.0	0.19	0.0
3	0.12	0.0	0.305	0.0	0.0	0.05	0.0	0.0	0.07E	0.0	0.0	0.0
4	0.82	0.35	0.305	0_0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0
5	0.0	0,20	0.0	0.0	1.25	0.0	0.0	0.01E	0.0	00	0.0	0.25
6	0_0	0.0	0.65	00	1.66	0.29	0.0	0.0	0.06E	00	0.238	0.87
7	0.0	0.0	0.058	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.54
8	0.0	1.325	0.05E	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
9	0.0	0_0	0.0	0.0	0.0	0_0	0.51	0.0	0.0	0.33	0.068	0.0
10	0.0	0.0	0.255	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0
11	0.0	00	0.105	0.0	0.06	0_0	1. 17	0.0	0.0	0.0	00	0.0
12	0.0	0.308	0.35E	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.07	0.0	0.0	0.15	0.0	0.45	0.0	0.0	1.32	0_0	0.0	0.0
14	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.60
15	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35
16	0.045	0.0	0.018	0.0	0.26	0.0	0.0	0_0	0.0	0.0	0.0	0.0
17	0.05S	0.06	0.015	0.05E	0.0	0.0	0.0	0.0	0.0	0.0	00	0.05H
18	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.02	0.15S	0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.35	0.0
20	0.0	010	0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.07	0.108
21	0.0	0.0	0.0	0.05	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	1_00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0
23	0.0	0.045	0.105	0.0	0.0	0_0	0.0	0.28	0.0	0.08	0.0	0.0
24	0.095	0.05S	0.0	0.0	0.0	0.0	0.65	0.0	0.0	0.11	0.128	0.0
25	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.25	0.10	0.0	0.0	0.0
26	0.015	0.0	0.0	0.0	0.0	0.0	0.16	0.24	0.17	0.0	0.0	0-25
27	0.015	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.158	0.05E
28	0.015	0.0	0.0	0.02E	0.0	0.15	0.07	0.0	0.0	0.0	0.0	0.13
29	0.09E		0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.53#	0.0
30	0.0		0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.0	0.0	1.00
31	0.0		0.0		0.0		00	0.0		0.0		0.0
TOTAL	1.43	3.44	2.47	0.57	4.38	1. 16	2.90	1.75	2.26	0.96	1.70	4.19
STA AV	2.67	2.38	3.46	3.35	3.84	3.96	4.30	2.79	2.56	2.10	2.47	2.30

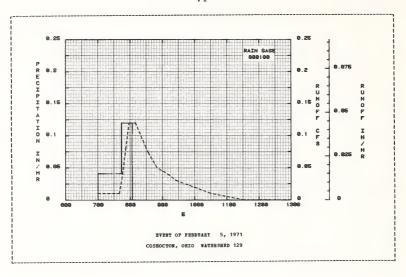
BOTES: For daily air temperatures in the vicinity, see table for Watershed W-95, p. 26.035-1. Precipitation amounts are for rain gage 100. STA AV based on 34 yr period, part-year records included. Codes 'E' may reflect estimated storm duration rather than estimated rainfall amounts.

197	1	MEAN DAILY	DISCHARG	E (cfs)			COSE	OCTON, OB	O WATER	SHED 129		
Day	Jan	Peb	Bar	Apr	Бау	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0_0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.002	0.026B	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0_0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.094	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00
20	0.0	0.012	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.032	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0_0		0.0
BAB	0.0001	0.0078	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHES	0.018	1.919	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TA AV	0.091	0.164	0.158	0.058	0.045	0_134	0.126	0.037	0.036	0.010	0.001	0.0

HOTES: To convert CFS to IM/DAY, multiply by 8.7829. STA AV based on 34 yr period, part-year records included.

971 SELECTED BUNOF	F BVENT				COSECCT	OIBO , NC	WATERSHEE	129	
ANTECEDENT CONDIT	IONS			INPALL			RUBOR	P	
Date Rainfall Mo-Day (inches)	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		В	VENT OF F	EBRUARY 5	, 1971				
RG 000100			RG 000	100					
2- 5 0-10	0.209	2- 5	700	0_0	0.0	2- 5	700	0.012	0.0
2 3 0110	0.203	2 3	744	0.0409	0.03	2 3	740	0.012	0.0029
			804	0. 1200	0.07		746	0-041	0.0039
			004	0- 1200	0.07		752	0.082	0.0061
							758	0.118	0.0098
WATERSHED COMDITIONS:							750	04110	0.0000
Hired grass.							810	0.118	0.0184
dired grasss							830	0.082	0-0306
							836	0.067	0.0333
							850	0.053	0.0384
							910	0-041	0.0364
							310	0.041	0.0441
							926	0.030	0.0476
							1030	0.006	0.0546
							1130	0.000	0-0561
							1200	0.002	0.0563
							1310	0.0	0.0563
							1310	0.0	0.0303

HOTES: To convert runoff in CFS to IB/HR, multiply by 0.36595407.



LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Huskingum River Basin.

AREA: 1.37 acres

BC	BTHL	Y PRECIP	HOLTATI	AND RUNOF	F (inche	s)		co	SHOCTOR	OHIO,	WATERSE	BD 123		
		Jan	Feb	Mar	Mpr	Нау	Jun	Jul	A ug	Sep	0ct	HOV	Dec	Annual
1971	P Q	1.46 0.061	3.55 2.600	2.39 0.334	0.75 0.0	4.48 0.671	1.35		1.74	2.26 0.0	0.97	1.77	4.28 0.040	27.81 3.705
TA AV	P Q	2.72 0.372	2.42 0.396	3.42 0.426	3.46 0.269	3.85 0.137	4.13 0.265		2.79 0.071	2.59 0.045	2.22 0.016	2.56 0.010	2.42 0.115	37.00 2.334
	ANN	Baxis Disch	un	HARGE (in				olume for		ed Time				Days
		Date		Date Vol		Vol.			e Vol.		Vol.	Date V		e Vol.
1971		5-6	276	5- 6 0.2	17 5- 6	0.377	5- 6 0.	669 2-2	2 0.760	2-19	0.981	2-18 1	275 2-1	5 2.197
						MAXIMUMS	FOR PER	OD OF RE	CORD					

NOTES: Watershed conditions: Cover of wheat to corm. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Hisc. Pab. 945, p. 26.10-6. For Geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Hisc. Pub. 1070, pp. 26.10-1 and 26.30-3. Precipitation data from rain gage TIOS. Precipitation and ramoff records began Jan. 1933. For long-time precipitation records, see Matinnal Weather Service records at Coshocton, Orlow of the Condition of the Conditi

1971	DA	ILY PRECI	PITATION	(inches)			COSHC	CTON, OHI	O WATER	SHED 123		
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	HOV	Dec
1	0.0	0.0	0.0	0.10	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.05	0.09	0.06	0.0	0.0	0.09	0.0	0.20	0.0
3	0.10	0.0	0.305	0.0	0.0	0.04	0.0	0.0	0.06	0.0	0.0	0.0
4	0.82	0.45	0.305	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0
5	0.0	0.20	0.0	0.0	1,25	0.0	0.0	0.01E	0.0	0.0	0.0	0.13
6	0.0	0.0	0.55	0.0	1.68	0.32	0.0	0.0	0.06	0.0	0.231	0.99
7	0.0	0.0	0.05#	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.52
8	0.0	1.325	0.05M	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.35	0.06H	0.0
10	0.0	0.0	0.195	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0
11	0.0	0.0	0.105	0.0	0.09	0.0	1.18	0.0	0.0	0.0	0.0	0.0
12	0.0	0.25H	0.39	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.12	0.0	0.0	0.21	0.0	0.68	0.0	0.0	1.32	0.0	0.0	0.05E
14	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.55
15	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39
16	0.045	0.0	0.025	0_0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.058	0.15	0.015	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.058
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.05	0.165	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.30	0.0
20	0.0	0.10	0.05S	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.10	0.148
21	0.0	0.0	0.0	0.08	0.0	0.08	0.0	0.05	0.0	0.0	0.0	0.0
22	0.0	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0
23	0.0	0.045	0.048	0.0	0.0	0.0	0.0	0.27	0.0	0.07	0.0	0.0
24	0.085	0.045	0.0	0.0	0.0	0.0	0.69	0.0	0.0	0.10	0.15S	0.0
25	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.32	0.10	0.0	0.0	0.0
26	0.01S	0.0	0.0	0.0	0.0	0.0	0.15	0.15	0.16	0.0	0.0	0.21
27	0.015	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.158	0.05E
28	0.015	0.0	0.0	0.04	0.0	0.05	0.11	0.0	0.0	0.0	0.0	0.13
29	0.09#		0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.58M	0.05E
30	0.0		0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.0	0.0	1.02
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.46	3.55	2.39	0.75	4.48	1.35	2.81	1.74	2.26	0.97	1.77	4.28
STA AV	2.72	2.42	3.42	3.46	3.85	4.13	4.44	2.79	2.59	2.22	2.56	2.42

HOTZS: For daily air temperatures in the vicinity, see table for Watershed W-95, p. 26.035-1. Precipitation amounts are for rain gage f103. STA WY based on 33 yr period. Codes '2' may reflect estimated storm duration rather than estimated rainfall amounts.

197	1	REAR DAIL	DISCHAR	SE (cfs)			COSH	OCTON, OR	IO WATER	SHED 123		
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	How	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.003	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	00	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0 T	0.0	0.039	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.004E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.007E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.033	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.039	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.044	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	0.0001	0.0053	0.0006	0.0	0.0012	0.0	0.0	0.0	0.0	0.0	0.0	0.000
BCHES TA AV	0.061	2.600 0.396	0.334	0.0	0.671	0.0	0.0	0.0	0.0	0.0	0.0	0.04

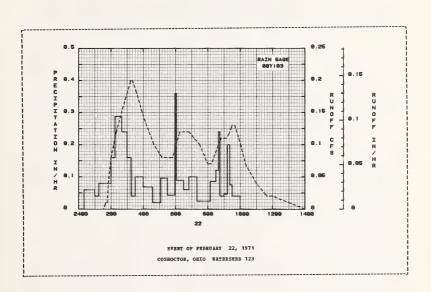
HOTES: To convert CFS to IM/DAY, multiply by 17.3735. STA AV based on 33 yr period.

71 S	ELECTED RUNO	FF BVENT				COSHOCTO	B, OHIO	WATERSHED	123	
ANTEC	EDENT CONDI	TIONS		RAI	BPALL			BUHCP		
Date No-Day	Rainfall (inches)	(inches)	Ho-Day	of Day	Intensity (in/hr)	(inches)	Ho-Day	of Day	Rate (cfs)	(inches)
			E	ARMI ON AF	BRUARY 22	, 1971				
	RG 00Y103			RG 00Y1	103					
2-22	0.0	0.0	2-22	.20	0.0	0.0	2-22	132	0.0	0.0
				100	0.0600	0.04		134	0.004	0.0
				115	0.0400	0.05		140	0.006	0.0004
				200	0.0800	0.11		146	0.012	0.0011
				215	0.1600	0.15		150	0.035	0.0022
WATERSHE	CONDITIONS:	:								
dle fiel	d of corn sta	alks.		240	0.2880	0.27		200	0.082	0.0093
				300	0.2400	0.35		220	0.118	0.0334
				315	0.1600	0.39		246	0.160	0.0770
				330	0.0400	0.40		300	0.184	0 1061
				400	0.1000	0.45		314	0.196	0.1382
				435	0.0686	0.49		320	0.196	0 1524
				435 505	0.0686	0.49		320	0.196	0. 1524
				530	0.0960	0.54		404	0.138	0.2435
				558	0.0429	0.56		440	0.099	0.2950
				603	0.3600	0.59		510	0.082	0.3278
				630	0.0889	0.63		550	0.082	0.3674
				650	0.0600	0.65		602	0.099	0.3805
				720	0.1000	0.70		616	0.118	0.3988
				809	0.0245	0.72		650	0.118	0.4472
				830	0.0857	0.75		730	0.099	0.4996
				840	0-1200	0.77		800	0.067	0.5296
				845	0.2400	0.79		814	0.067	0.5409
				900	0.2400	0.79		840	0.099	0.5669
								850	0.099	0.5794
				913	0.0462	0.81		910	0.108	0.5794
				922	0.2000	0.84		910	0.108	0.0055
				930	0.0750	0.85		922	0.118	0.6219
				1000	0.0400	0.87		930	0.128	0.6338
								940	0.128	0.6492
								1002	0.099	0-6793
								1020	0.074	0.6981

HOTES: To convert runoff in CFS to IB/BE, multiply by 0.72389455.

1971 SELECTED BUBOFF EVEBT				COSHOCTO	OH, OHIO	WATERSHED	123	
ARTECEDENT CONDITIONS Date Rainfall Runoff No-Day (inches) (inches)	Date Bo-Day	RAI Time of Day	FFALL Intensity (in/hr)	Acc. (inches)	Date Ho-Day	RUHOP Time of Day	P Rate (cfs)	Acc. (inches)
		OF PEBRUAR	¥ 22, 197	(CONTIN	uuro)			
	TATAL A	OF FEDERAL	1 22, 15,	(000111	2-22	1100	0.041	0.7259
						1140 1200	0.025	0.7418
						1300	0.009	0.7577
						1400	0.004	
						1500	0.0	0.7638

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.72389455.



LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Muskingum River Basin.

ARFA: 1.69 acres

ĦC	NTHLY	PRECIE	HOLTATION	AND RUNC	FF (inche	s)			COSHOCTO	H, OHIO	WATERSH	ED 109			
		Jan	Peb	Bar	Apr	мау	Jun	Jul	∆ug	Sep	Oct	How	Dec		Annual
1971	P Q	1.33	3.39 1.616	2.33 0.0	0.76 0.0	4.80 0.0	1.24	3.03 0.0	1.91 0.0	2.34 0.0	1.00	2.25 0.0	5.0 0.0		29.42 1.616
STA AV	P Q	2.61 0.068	2.29 0.190	3.36 0.123	3.41	3.87 0.097	4.12 0.249	4.47 0.286	2.74 0.142	2.62 0.045	2.16 0.010	2.47 0.00			36.46 1.270
	ANNU	Maxi Disch	man	HARGE (i		в	axisus V	olume f	for Selec	ted Time		1			Days
	ANNU	Maxi	mum arge		2 1	в	axisus V	olume f	-	ted Time		1	ıys	8	Days Vol.
1971	ANNO	Maxi	mum arge Bate	1 Hour Date Vo	2 1	Hours Vol.	aximum V 6 Hou Date V	olume fors	for Selection 12 Hours	ted Time	Interva Day Vol.	1 2 Da Date	ys Vol.	8 Date	Ŷol.
1971	ANNO	Maxi Disch Date	mum arge Bate	1 Hour Date Vo	2 1. Date	Hours Vol.	aximum V 6 Hou Date V	Volume fors	for Selection 12 Hours Date Vol	ted Time	Interva Day Vol.	1 2 Da Date	ys Vol.	8 Date	Ŷol.

NOTES: Watershed conditions: Cover of wheat to corm. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USBM misc. Pab. 945, p. 26.13-4. For Geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the Waited States, 1962, USBM misc. Pab. 1070, pp. 26.13-1 and 26.30-3. Precipitation data from rain gage 1702. Precipitation and runoff records began Nov. 1938. Por long-tide precipitation records, see Bational Weather Service records at Combotton, 1962.

1971	Dà	ILY PRECI	PITATION	(inches)			COSE	OCTON, OHI	O WATERS	HED 109		
Da y	Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.10E	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.05	0.10	0.05	0.0	0.0	0.15	0.0	0.22	0.0
3	0.14	0.0	0.305	0.0	0.0	0.05	0.0	0.0	0.10	0.0	0.0	0.0
45	0.71	0.42	0.305	0.0	0.0	0.0	0.0	0.13E	0.0	0.0	0.0	0.0
5	0.0	0.24E	0.0	0.0	1.41	0.0	0.0	0.01E	0.0	0.0	0.0	0.15
6	0.0	0.0	0.55	0.0	1.69	0.29	0.0	0.0	0.10E	0.0	0.285	1.20
7	0.0	0.0	0.055	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.54E
8	0.0	1.32S	0.058	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0		0.0	0.0	0.48	0.0	0.0	0.37E	0.068	0.0
10	0.0	0.0	0.17S	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0
11	0.0	0.0	0.105	0.0	-0.12	0.0	1.30	0.09	0.0	0.0	0.0	0.0
12	0.0	0.158	0.38	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.11	0.0	0.0	0.18E	0.0	0.55	0.0	0.0	1.31	0.0	0.0	0.05
14	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.60
15	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35
16	0.045	0.0	0.025	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.045	0.15	0.01S	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.058
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.05	0.15S	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.37	0.0
20	0.0	0.15	0.055	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.12	0.158
21	0.0	0.0	0.0	0.08	0.0	0.07	0.0	0.05	0.0	0.0	0.0	0.0
22	0.0	0.81E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0
23	0.0	0.05S	0.068	0.0	0.0	0.0	0.0	0.33	0.0	0.10	0.0	0.0
24	0.095	0.05S	0.0	0.0	0.0	0.0	0.68	0.0	0.0	0.07	0.125	0.0
25	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.32	0.10	0.0	0.0	0.0
26	0.015	0.0	0.0	0.0	0.0	0.0	0.16	0.18	0.15	0.0	0.0	0.45
27	0.015	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.10H	0.11E
28	0.015	0.0	0.0	0.03	0.0	0.09	0.10	0.0	0.0	0.0	0.0	0.16
29	0.058		D-0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.98≣	0.03E
30	0.0		D = 0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	1.20
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.33	3.39	2.33	0.76	4.80	1.24	3.03	1.91	2.34	1.00	2.25	5.04
STA AV	2.61	2.29	3.36	3.41	3.87	4.12	4.47	2.74	2.62	2.16	2.47	2.32

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-95, p. 26.035-1. Precipitation amounts are for rain gage 7102. STA NY based on 34 yr period, part-year records included. Codes 'B' may reflect estimated storm duration rather than estimated rainfall amounts.

197	1	BEAN DAIL	Y DISCHAR	GE (cfs)			COSE	OCTON, OH	IO WATER	SHED 109		
Da y	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.016	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.032	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.032	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
BEAH	0.0	0.0041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	1.616	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.068	0.190	0.123	0.044	0.097	0.249	0.286	0.142	0.045	0.010	0.001	0.016

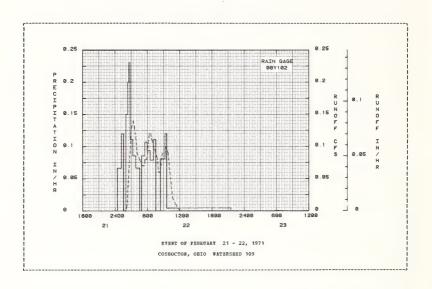
NOTES: To convert CFS to IM/DAY, multiply by 14.0838. STA AV based on 34 yr period, part-year records included.

ANTECEDENT CONDIS	Runoff	Date	Time	INFALL Intensity	100	Date	RUNCE Time	Rate	Acc.
No-Day (inches)	(inches)	No-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
		EAB	ST OF PEBI	RUARY 21 -	22, 1971				
RG 001102			BC 00A.						
2-22 0.0	0.0	2-22	25	0.0	0.0	2-22	149	0.0	0.0
			110	0.0667	0.05		203	0.002	0.0001
			135	0.1200	0.10		215	0.014	0.0010
			200	0.0	0.10		223	0.035	0.0029
			220	0.1500	0.15		233	0.061	0.0076
ATERSHED CONDITIONS:									
opped corn stalks in	field.		235	02000	0-20		245	0.094	0.0167
			248	0.2308	0.25		303	0.134	0.0368
			315	0.1111	0.30		323	0.145	0.0641
			350	0.0857	0.35		335	0.134	0.0805
			435	0.0667	0.40		353	0.113	0.1022
			855	0_0	0.40		405	0_094	0.1143
			530	0-0857	0.45		433	0.077	0.1377
			558	0-1071	0.50		503	0.069	0.1591
			630	0.0937	0.55		523	0.069	0-1726
			708	0.0789	0.60		537	0.077	0.1826
			735	0-1111	0.65		553	0.077	0.1947
			823	0.0	0.65		603	0.094	0.2031
			915	0.0808	0.72		613	0.113	0.2132
			935	0-1200	0.76		621	0.123	0-2224
			2130	0-0042	0.81		637	0.123	0.2416
							651	0.113	0.2578
							733	0.094	0.3003
							753	0.077	0.3170
							803	0.061	0.3237
							823	0.061	0.3356
							847	0.094	0.3538
							917	0.094	0.3814
							925	0.103	0.3891
							950	0.094	0.4132
							1010	0.061	0.4284

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.58682576.

ANTECEDENT CONDIT	IONS		RAT	HPALL			RUBOPI	,	
Date Rainfall	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Bo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		EVENT OF	PEBRUARY	21 - 22,	1971 (CO)	STINUED)			
						2-22	1040	0.023	0.4407
							1114	0.007	0.4457
							1200	0.004	0.4482
							1220	0.002	0.4488
							1300	0.0	0.4492

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.58682576.



LOCATION: Coshocton Co., Ohio; 10 mi. HE of Coshocton; Tuscarawas River, Muskingum River Basin.

AREA: 1.56 acres

HC.	PLETEC	PRECIPI	TATION	AND RUNOF	P (inche:	5)		c	OSBOCTOR	OBIO	WATERSHE	D 106		
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec	Annual
1971	P Q	1.52 0.015	3.34 1.932	2.26 0.093	0.72 0.0	4.28 0.095	1.10	2.96 0.0	1.96 0.0	2.07 0.0	1.03 0.0	1.75 0.0	4.45 0.018	27.44 2.153
STA AV	P Q	2.60 0.228	2.13 0.271	3.14 0.113	3.17 0.128	3.70 0.116	3.99 0.277	4-40 0-300	2.69 0.195	2.62 0.150	2.10 0.017	2.36 0.028	2.24 0.076	35.14 1.900
	DHHA	AL MAXIM Baxim Discha Date B	um rge	HARGE (in, 1 Hour Date Vol.	2 1		eraixa For	olume fo	PF (inches F Selecte 2 Hours te Vol.	d Time	Interval Day			Days
1971		2-22 0	. 075	2-22 0.0				382 2-		2-12	0.739	2-11 0.	739 2-1	2 1.310
		8-23 7	630	9- 1 1-20	50 9- 1	1. 380	9- 1 1	390 2-	23 1.410	2-23	1-410	2-23 2.	000 2-1	9 2.440

NOTES: Watershed conditions: Cover of meadow, prevailing practice. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Bisc. Pub. 945, p. 26.20-5. For Geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Bisc. Pub. 1970, pp. 26.20-1 and 26.30-3. Precipitation data from rain gage 115. Precipitation and runoff records began Agr. 1939. Por long-time precipitation records, see Mational Westher Service records at Coshocton, Chio.

Jan 0.0 0.0	Feb	Har	Apr								
			whr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
0.0	0.0	0.0	0.09	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.01	0.07	0.08	0.0	0.0	0.07	0.0	0.21	0.0
0.14	0.0	0.30s	0.0	0.0	0.05	0.0	0.04E	0.07	0.0	0.0	0.0
0.86	0.40E	0.305	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0
0.0	0.25E	0.0	0.0	1.288	0.0	0.0	0.0	0.0	0.0	0.0	0.12
0.0	0.0	0.60	0.0	1.59E	0.18	0.0	0.0	0.05E	0.0	0.25m	1.07
					0.0	0.0	0.0	0.0	0.0	0.0	0.44
						0.0			0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.39	0.07H	0.0
0.0	0.0	0.15S	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.0
0.0	0.0	0.155	0.0	0.10	0.0	1.05	0.0	0.0	0.0	0.0	0.0
	0.15#	0.40	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.10	0.0	0.0	0.20	0.0			0.0				0.0
0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.12	0.0	0.65
0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34
0.045	0.0	0.018	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.058
0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.05	0.098	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.30	0.0
0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.10	0.15H
0.0	0.0	0.0	0.05	0.0	0.05	0.0	0.09	0.0	0.0	0.0	0.0
	0.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0
	0.045	0.035	0.0	0.0	0.0	0.0	0.40	0.0	0.09	0.0	0.0
0.105	0.05s	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.08	0.138	0.0
0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.71	0.07	0.0	0.0	0.0
0.015	0.0	0.0	0.0	0.0	0.0	0.40	0.08	0.12	0.0	0.0	0.25
0.01S	0.0	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.148	0.052
0.01S	0.0	0.0	0.03	0.0	0.31	0.10	0.0	0.0	0.0	0.0	0.12
0.058		0.0	0.0	0.0	0.19	0.0	0.0			0.558	0.04E
0.0		0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.0	1, 17
0.0		0.0		0.0		0.0	0.0		0.0		0.0
1.52	3.34	2.26	0.72	4.28	1.10	2.96	1.96	2.07	1.03	1.75	4.45
2.60	2.13	3.14	3.17	3.70	3.99	4-40	2.69	2.62	2.10	2.36	2.24
	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.255 0.0 0.0 0.0 0.0 0.0 1.32S 0.0 0.0 0.0 0.158 0.10 0.0 0.0 0	0.0 0.25E 0.0 0.0 0.0 0.60 0.0 0.0 0.60 0.0 0.0 0.55 0.0 0.0 0.0 0.55 0.0 0.0 0.0 0.158 0.0 0.158 0.0 0.0 0.158 0.0 0.0 0.158 0.0 0.0 0.158 0.0 0.0 0.158 0.0 0.0 0.158 0.0 0.0 0.159 0.0 0.0 0.159 0.0 0.0 0.159 0.0 0.0 0.159 0.0 0.0 0.159 0.0 0.0 0.150 0.0 0.0 0.150 0.0 0.0 0.150 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.25E 0.0 0.0 0.0 0.660 0.0 0.0 0.0 0.650 0.0 0.0 0.0 0.550 0.0 0.0 0.0 0.555 0.0 0.0 0.0 0.155 0.0 0.0 0.158 0.40 0.0 0.10 0.158 0.0 0.10 0.0 0.158 0.0 0.10 0.0 0.0 0.0 0.10 0.0 0.0 0.0 0.10 0.0 0.0 0.0 0.10 0.0 0.0 0.0 0.10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0-0 0.25E 0.0 0.0 1.28E 0.0 0.0 0.6 0.0 0.0 1.59E 0.0 0.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.15S 0.0 0.0 0.0 0.0 0.15E 0.0 0.0 0.0 0.0 0.10 0.0 0.15E 0.0 0.0 0.0 0.10 0.0 0.0 0.0 0.220 0.0 0.10 0.0 0.0 0.0 0.0 0.0 0.0 0.10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0-0 0.25	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0-0 0.25\$ 0.0 0.0 1.58 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0-0 0.25\$E 0.0 0.0 1.28\$E 0.0 0	0.0 0.25E 0.0 0.0 1.28E 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.

BOTES: For daily air temperatures in the vicinity, see table for Watershed W-95, p. 26.035-1. Precipitation amounts are for rain gage 115. STA AV based on 33 yr period, part-year records included. Codes '2' may reflect estimated storm duration rather than estimated rainfail amounts.

197	1	HEAH DAIL	Y DISCHARG	GE (cfs)			COSH	OCTON, OB	IO WATER:	SHED 106		
Day	Jan	Peb	Mar	Apr	Нау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
tt-	0.001	0.007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.002	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.037	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.012	0.002E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
BAN	0.0	0.0045	0.0002	0.0	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ICHES		1.932	0.093	0.0	0.095	0.0	0.0	0.0	0.0	0.0	0.0	0.01
TA AV	0.228	0-271	0.113	0.128	0.116	0.277	0.300	0.195	0,150	0.017	0.028	0.07

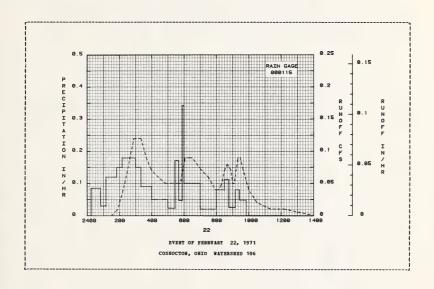
NOTES: To convert CFS to IM/DAY, multiply by 15.2575. STA AV based on 33 yr period, part-year records included.

ANTECRDENT CONDIT	IONS		BAT	HPALL			RUNOF	F	
Date Rainfall Mo-Day (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc.	Date No-Day	Time of Day	Rate (cfs)	Acc.
		E	VERT OF PE	BRUARY 22	, 1971				
RG 000115			RG 0001	15					
2-22 0.0	0.0	2-22	.15	0.0	0.0	2-22	130	0.0	0.0
			50	0.0857	0.05		154	0.012	0.0015
			110	0.0300	0.06		214	0.041	0.0071
			150	0.1200	0.14		230	0.067	0.0163
			210	0.1500	0.19		244	0.099	0.0286
ATERSHED CONDITIONS:									
gunes and grass.			300	0.1800	0.34		254	0.118	0.0401
			320	0.1500	0.39		320	0.118	0.0726
			400	0.0900	0.45		340	0.090	0.0946
			500	0-0500	0.50		400	0.074	0.1120
			526	0.0231	0.51		450	0.046	0.1438
			540	0-1714	0.55		520	0.046	0.1584
			553	0.0462	0.56		546	0.053	0.1720
			600	0.3429	0.60		600	0.082	0.1820
			700	0.1000	0.70		604	0.090	0.1856
			800	0.0200	0.72		630	0.090	0.2104
			830	0.0800	0.76		706	0.067	0.2403
			846	0.1125	0.79		730		0.2565
			910	0.0250	0.80		756	0.041	0.2704
			925	0.0800	0.82		810	0.041	0.2765
			950	0.0480	0.84		820	0.053	0.2815
							830	0.067	0.2879
							840	0.082	0.2958
							854	0.067	0.3069
							900	0.053	0.3107
							906	0.053	0.3141
							920	0.090	0.3247
							928	0.090	0.3323
							940	0.067	0.3423
							1000	0.041	0.3537

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.63572791.

1971 SEL	ECTED RUMOF	A RARMI				COSHOCTO	M, UHIU	WATERSHED	106	
ANTECED	ENT CONDIT	IONS		RAI	MPALL			RUBOF	P	
Date Bo-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT (F PEBRUAE	7 22, 197	1 (COBTIN	(UED)			
							2-22	1120	0.012	0.3740
							2-22	1210	0.006	0.3788
							2-22			

MOTES: To convert runoff in CFS to IM/HR, multiply by 0.63572791.



LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Huskingum River Basin.

AREA: 303.00 acres

					FF (inche				COSHOCTO		WATERSE				
		Jan	Peb	Bar	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec		Annual
	P	1.44	3.67	2.34	0.82	4.47	1.18	3.03	1.82	2.16	1.02	1.76	4.6	3 2	28.34
1971	Q	0.959	2.846	2.445	0.360	1.926	0.120	0.091	0.050	0.056	0.045	0.06	7 0.4	94	9.460
TA AV	P	2.66	2.40	3.49	3.36	3.81	4.20	4.39	2.70	2.64	2.19	2.48	2.3	8	36.69
	Q	1.727	1.918	2.828	2.309	1.497	1.012	0.708	0.276	0.223	0.200	0.39	3 0.9	53	14.045
	AHH	BAL MAXI	HUM DIS	CHARGE (i	n/hr) AND	MAXIMUM	VOLUME	S OF RUN	OFF (inc	hes) FOR	SELECTE	D TIBE	INTERV	ALS	
	AHH	Haxi	mum				aximum	Volume f	or Selec	ted Time	Interva	1			
	AHH	Maxi Disch	mum arge	1 Hour	2	Hours	aximum 6 Ho	Volume f	or Selec	ted Time	Interva	1 2 D	ays	8 1	
	AHH	Haxi	mum arge		2		aximum 6 Ho	Volume f	or Selec	ted Time	Interva	1 2 D		8 1	Days Vol.
1971	ABB	Maxi Disch	mum arge Rate	1 Hour	2	Hours Vol.	aximum 6 Ho Date	Volume f urs	or Selec 12 Hours ate Vol	ted Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.
1971	AHH	Maxi Disch Date	mum arge Rate	1 Hour	1. Date	Hours Vol.	aximum 6 Ho Date 5- 6	Volume f urs	or Selec 12 Hours ate Vol	ted Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.
1971	AHH	Maxi Disch Date	mum arge Rate	1 Hour Date Vo	1. Date	Hours Vol. 0.294	aximum 6 Ho Date 5- 6	Volume furs Vol. D 0.659 5 RIOD OF	or Selec 12 Hours ate Vol	ted Time 1 Date	Interva Day Vol. 0.959	1 2 Date 5- 5	ays Vol.	8 Date 2-17	Vol. 2.01

NOTES: Watershed conditions: Woods, 275; grassland, 50% miscallaneous, 235; watershed in improved practice. For sap of watershed, see Mydrologic batt for Experimental Agricultural Satersheds at the United States, 1956-59, ISDA Misc. Pub. 985, p. 26.30-5. For Geology description and map, see Mydrologic Data for Experimental Agricultural Watershed in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.30-1 and 26.30-3. Precipitation data from rain gage 108. Precipitation and romoff records began Bay 1937. For long-time precipitation records, see Mational Weather Service records at Coshorton, Ohio.

197	1 DA	ILY PRECI	PITATION	(inches)			COSHO	CTON, CHI	O WATER	SBED 196		
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul.	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.08	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.06	0.05	0.05	0.0	0.0	0.10	0.0	0.19	0.0
3	0.11	0.0	0.30s	0.0	0.0	0.05	0.0	0_0	0.06	0.0	0.0	0.0
4 5	0.84	0.49	0.30S 0.0	0.0	0.0 1.27	0.0	0.0	0.15 0.01E	0.0	0.0	0.0	0.0
6	0.0	0.0	0_60	0.0	1.72	0.25	0.0	0.0	0.04	0.0	0.108	1.10
7	0.0	0.0	0.025	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.118	0.48
8	0.0	1.325	0.035	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.0	0.40	0.068	0.0
10	0.0	0.0	0.175	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0
11	0.0	0.0	0.105	0.0	0.10	0.0	0.99	0.08	0.0	0.0	0.0	0.0
12	0.0	0.248	0.40	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.12	0.0	0.0	0.22	0.0	0.48	0.0	0.0	1.26	0.0	0.0	0.0
14	0.08	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.62
15	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39
16	0.058	0.0	0.025	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.05S	0.15	0.018	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.038
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 20	0.0	0.05	0.145	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.30	0.208
21	0.0	0.0	0.0	0.05E	0_0	0.0	0.0	0.05	0 - 0	0.0	0.0	0.0
22	0.0	0.95	0.0	0.031	0.0	0.0	0.0	0.05	0.0	0.35	0.0	0.0
23	0.0	0.045	0.105	0.0	0_0	0.0	0.0	0.37	0.0	0.09	0.0	0.0
24	0.075	0.055	0.0	0.0	0_0	0.0	0.75	0.0	0.0	0.06	0.158	0.0
25	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.50	0.06	0.0	0.0	0.0
26	0.015	0.0	0.0	0.0	0.0	0.0	0.45	0.05	0.17	0.0	0.0	0.25
27	0.025	0.0	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.208	0.05
28	0.015	0.0	0.0	0.04	0.0	0.20	0.13	0.0	0.0	0.0	0.0	0.14
29	M80.0		0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.55H	0.05E
30	0.0		0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.44	3.67	2.34	0.82	4.47	1.18	3.03	1.82	2.16	1.02	1.76	4.63
STA AV	2.66	2.40	3.49	3.36	3.81	4.20	4.39	2,70	2.64	2.19	2.48	2.38

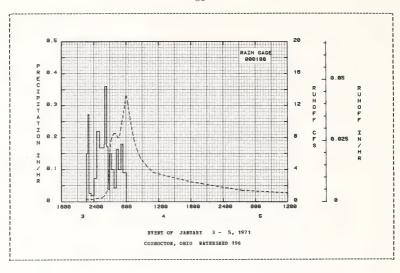
NOTES: For daily air temperatures in the vicinity, see table for Watershed W-95, p. 26.035-1. Precipitation amounts are for rain gage 108. STA AV based on 35 yr period, part-year records included. Codes '2' may reflect estimated storm duration rather than estimated rainfall amounts.

197	11	HEAN DAIL	Y DISCHAR	GE (cfs)			COSB	OCTON, OH	IO WATER	SHED 196		
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.280	0.041	0.729	0.320	0.082	0.085	0.044	0.020	0.013	0.038	0.016	0.032
1 2	0.270	0.033	0.627	0.320	0.092	0.092	0.036	0.019	0.014	0.018	0.031	0.022
i 3	0.263	0.038	0.531	0.253	0.089	0.089	0.027	0.021	0.024	0.018	0.028	0.018
4	4.094	1.095	0.477	0.218	0.076	0.071	0.026	0.025	0.020	0.017	0.025	0.020
5	1.131	2.615E	0.452	0.203	0.336	0.062	0.026	0.023	0.015	0.013	0.024	0.025
. 6	0.661	0.283	2,365	0.203	12, 191	0.075	0.027	0.016	0.014	0.011	0.026	0.355
i 7	0.494	0.198	3.053	0.196	1.812	0.069	0.023	0.014	0.013	0.010	0.033	0.374
i 8	0.417	0.159	1.230	0.176	2-241	0.058	0.021	0.014	0.012	0.010	0.027	0.089
i 9	0.406	0.148	0.868	0.164	1.093	0.052	0.059	0.013	0.011	0.020	0.024	0.056
10	0.383	0.166	0.872	0.148	0.825	0.048	0.028	0.024	0.010	0.028	0.023	0.056
11	0.348	0.114	0.851	0.138	0.681	0.046	0.215	0.031	0.010	0.021	0.023	0.052
1 12	0.308	0.161	1.207	0.138	0.700	0.046	0.048	0.018	0.010	0.016	0.021	0.044
1 13	0.290	0.540	4.316	0.157	0.505	0.090	0.031	0.014	0.154	0.013	0.020	0.040
1 14	0.449	0.242	1.707	0.165	0.417	0.067	0.029	0.015	0.037	0.022	0.020	0.373E
15	0.293	0.170	1.862	0.138	0.350	0.054	0.025	0.017	0.019	0.020	0.020	0.485E
1 16	0.218	0.148	1.294	0.128	0.384	0.046	0.022	0.016	0.017	0.016	0.020	0.100
1 17	0.196	1.008	1.006	0.150	0.347	0.039	0.022	0.012	0.018	0.015	0.020	0.058
i 18	0.176	1.544	0.834	0.128	0.283	0.036	0.022	0.010	0.017	0.015	0.028	0.046
19	0.149	4.733	0.797	0.114	0.243	0.034	0.023	0.010	0.066	0.013	0.029	0.042
20	0.133	4.981	0.763	0.110	0.204	0.033	0.023	0.025	0.022	0.013	0.027	0.066
21	0.143	1.227	0.729	0.119	0.176	0.034	0.020	0.020	0.018	0.013	0.026	0.055
22	0.153	9.199	0.678	0.119	0.159	0.034	0.017	0.018	0.017	0.030	0.022	0.041
23	0.143	1.784	0.593	0.106	0.143	0.031	0.015	0.038	0.015	0.027	0.017	0.036
24	0.138	0.912	0.505	0.098	0.145	0.030	0.081	0.015	0.015	0.030	0.018	0.036
25	0.153	1.032	0.463	0.091	0.250	0.030	0.037	0.036	0.033	0.026	0.022	0.036
26	0.130	1. 144	0.452	0.088	0.148	0.031	0.072	0.050	0.026	0.020	0.022	0.057
27	0.084	1.589	0.429	0.090	0.133	0.031	0.036	0.027	0.023	0.018	0.035	0.066
28	0.066	0.921	0.417	0.130	0.123	0.029	0.026	0.022	0.021	0.017	0.032	0.093
29	0.080		0.383	0.091	0.110	0.059	0.025	0.022	0.021	0.016	0.117	0.068
30	0.088		0.339	0.085	0.101	0.030	0.027	0.020	0.0	0.016	0.064	3.055
31	0.064		0.299		0.085		0.026	0.015		0.016		0.391
HEAR	0.3937	1.2937	1.0042	0.1528	0.7911	0.0511	0.0374	0.0207	0.0236	0.0186	0.0286	0.2028
INCHES	0.959	2.846	2.445	0.360	1.926	0.120	0.091	0.050	0.056	0.045	0.067	0.494
STA AV	1.727	1.918	2.828	2.309	1.497	1.012	0.708	0.276	0.223	0.200	0.393	0.953

MOTES: To convert CFS to IB/DAY, multiply by 0.0786. STA AV based on 35 yr period, part-year records included.

/1 SELECTED BUNOFF E							WATERSHED		
ABTECEDENT CONDITION				NPALL			RUHOF		
		ate -Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Eate (cfs)	Acc. (inches)
		EVEN	T OF JAN	IDARY 3 -	5, 1971				
RG 000108			RG 0001						
	0.019 1	- 3	2237	0.0	0.0	1- 3	2230	0.261	0.0
1- 3 010	0.01)	- 3	2253	0.1500	0-04	1- 3	2400	0.318	0.0014
			2304	0. 2727	0.09	1- 4	130	0.503	0.0034
			2327	0.0261	0.10	1- 4	200	0.763	0.0034
			2400	0.0182	0.11		230	1-400	0.0062
ATERSEED CONDITIONS:			2.130	0.0102			230	400	0.0002
ods, 27%; grassland, 50	S: 1	- 4	33	0.0727	0.15		245	2.860	0.0079
scellaneous, 23%; water		7	103	0.2200	0.26		252	5.400	0.0095
improved practice.	Dai Cu		153	0.1680	0.40		308	7-500	0.0151
zaproved processes			203	0. 1800	0.43		320	8.000	0.0202
			223	03600	0.55		340	8.520	0.0292
			237	0.1714	0.59		406	8.520	0.0413
			253	0.0375	0.60		426	8.000	0.0503
			313	0.1500	0.65		440	8.000	0.0564
			343	0.1000	0.70		500	9.050	0.0657
			411	0.0429	0.72		516	10.200	0.0741
			433	0.1636	0.78		540	11,700	0.0884
			503	0.1000	0.83		554	13.200	0.0979
			523	0.1800	0.89		604	13.200	0.1051
			603	0.0900	0.95		620	12-100	0.1161
							646	10.200	0.1319
							712	8.520	0.1452
							732	7.500	0.1539
							810	6.160	0.1681
							840	5,400	0.1776
							1000	4 300	0.1988
							1100	3.620	0.2118
							1800	2.460	0.2815
							2000	2.230	0.2969
							2400	1.770	0.3231
						1- 5	330	1.400	0.3413

HOTES: To convert runoff in CFS to IB/HE, multiply by 0.00327305.



LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Little Hill Creek, Walhonding River, Muskingun River Basin.

ABEA: 2570.00 acres 4.02 sq. miles

					PP (inches										
		Jan	Peb	Har	Apr	Hay	Jun	Jul 1	iug	Sep	0ct	HOA	Dec		Annual
	P	1.56	3.82	2.66	0.66	4.91	1.58			1.99	1.06	2.08	4.6		1.96
1971	Q	0.766	2.504	2.177	0.348	1.967	0.143	0.075	.098	0.044	0.014	0.051	0.6	94	8.881
TA AV	P	2.76	2.45	3.44	3.39	3.75	4.00			2.53	2.21	2.57	2.4		36.78
	Q	1.458	1.661	2,402	1.943	1.227	0.787	0.580	. 192	0.124	0.181	0.351	0.8	08	11.714
	ANHO	AL HAXI	HUM DISC	HARGE (in	/hr) AND	HUBIKAN	AOLUME	S OF RUNOPI	(inche	s) POR	SELECTE	D TIME	INTERV	ALS	
	ABHO	Baxi	nun			 B	aximum	Volume for	Selecte	d Time	Interva	1			
	ANHO		mum arge	1 Hour	2 [B	aximum 6 Ho	Volume for urs 12	Selecte	d Time	Interva	1 2 Da	 ı y s	8 1	Days Vol.
1971	ABHU	Maxi Disch	mum arge Rate	1 Hour	2 i	Hours Vol.	aximum 6 Ho Date	Volume for urs 12	Selecte Bours Vol.	d Time 1 Date	Interva:	2 Da Date	 ı y s	8 ! Date	Vol.
1971	ABHU	Maxi Disch Date	mum arge Rate	1 Hour	2 i L. Date	Hours Vol. 0.302	aximum 6 Ho Date	Volume for urs 12 Vol. Date	Selecte Hours Vol.	d Time 1 Date	Interva: Day Vol.	2 Da Date	ys Vol.	8 ! Date	Vol.

NOTES: Watershed conditions: Cover of 15%, cropland; 55%, grassland; 26%, woodland; 4%, miscellameous; watershed in improve practice. For map of watershed, new mythologic bata for Experimental Agricultural Matersheds in the United and the Country of the Country

	1 DAI							s P)						COSE	OCTOR					95				
Day	Jan mar mi	in	Pe max		nax		h max	T	Вa	у	Jt	ın	Jt	1	hu max		Se max		Oc max		No max		De	ec Bin
1		18	3	-3	47	30	62	48	62	38	81	57	81	69	75	56	81	65	79	59	67	49	29	18
2		22	13	-7	38	27	49	32	48	38	75	60	76	62	79	62	81	63	79	61	67	47	30	15
3		24	28 48	9 26	27 28	15 12	46 42	30 25	51 61	38 36	80 84	64	80 84	55 60	75 65	67 56	74 80	65 65	81 75	61 65	58 42	37 31	31 37	19 23
5		14	51	31	37	17	42	28	62	46	86	64	83	67	73	53	85	65	71	53	54	27	47	31
6	20	8	34	24	46	34	46	30	62	53	86	65	85	65	79	55	86	66	73	49	51	30	51	41
7	15	3	30	25	34	22	52	26	66	49	81	60	87	65	81	57	81	66	53	41	30	19	51	41
8		3	26	14	22	17	62	32	66	52	74	64	87	64	83	61	84	64	59	34	31	21	54	41
9 10		13	14	-1 -2	37 36	14 27	70 53	41 31	70 76	47 52	68 78	49	85 82	69 65	84 79	59 66	86 86	65 61	56 49	43 38	35 45	20 35	47 69	44
10	33 2		15	-2	30	21	33	31	70	32	70	40	02	63	/>	00	00	01	49	30	43	33	09	49
11		26	40	14	33	28	68	30	71	52	80	59	71	61	76	61	75	65	55	35	52	34	58	35
12		23	40	34	46	28	78	44	62	43	79	66	77	59	74	54	69	62	59	38	59	43	46	32
13 14		22	34 19	11	46 68	38	76 46	36 33	54 70	39 37	82 77	66	82 76	61	79 83	53 57	62 73	58 54	70	41	59 72	46	41	29 28
15		19	27	19	64	44	54	30	74	49	72	61 59	79	60	79	59	78	57	64 71	49	74	45 61	43 63	43
										4.5	,	33	.,	٠,	.,	3,	,,	٠,			, ,	٠.	0.5	45
16		12	31	24	4,4	26	66	42	77	52	74	56	79	59	79	59	59	55	69	57	55	43	49	36
17		5	40	24	30	24	68	46	79	50	77	57	75	59	83	55	66	57	69	51	59	39	37	18
18 19	18	0	44 56	37 38	40	22 28	64 70	46	84	59 64	82 85	60 64	78 79	53 59	84 83	61	69 71	57 60	69 75	52 45	67 61	46 30	25 38	18 21
20		8	50	34	31	27	71	46	75	57	85	63	73	55	78	65	71	51	74	52	39	29	40	33
21	34 1	18	38	33	46	22	56	35	69	53	80	60	78	54	83	63	65	47	75	50	35	26	38	29
22		23	58	32	42	27	50	34	63	43	77	62	82	57	77	61	68	47	61	55	28	21	32	23
23		23	39	28	27	20	58	37	72	44	81	58	83	59	69	56	69	51	61	57	29	17	45	23
24		24	31	28	30	18	50	38	78	56	85	63	71	58	71	47	61	46	57	54	32	26	49	33
25	40 3	32	49	24	36	17	61	40	76	52	86	65	79	58	69	57	63	44	54	51	35	25	47	24
26		10	55	40	42	24	50	38	56	49	80	63	81	67	75	61	72	53	63	51	33	25	53	45
27	10	5	56	40	49	20	54	30	55	45	89	63	73	59	73	59	77	61	69	47	40	23	61	45
28 29	12 46	4	45	35	60 46	39 29	62 48	44	63 68	43 51	96 BB	65	77 75	53 62	69 77	55 57	81 83	61	73	53	38	33	60	23
30	44	1			46	27	54	42	74	51 52	85	69	69	52 59	80	57		66 61	73 75	51 50	43 31	33 18	31 60	19 32
31		-5			59	24	34		80	60	33	-,	72	59	81	62	,,,	٠,	73	55	31		33	31
AV.	30 1	14	36	22	41	25	58	37	68	48	81	61	79	61	77	58	74	59	67	50	47	33	45	30
MEAN	22.4		29	. 1	33	. 2	47	. 2	58			-2	69	.7	67	. 9	66			-6	40	- 0	37	. 7
STA AV	33 1	19	36	20	46	28	58	42	68	49	79	58	81	62	82	61	75	54	66	44	50	33	37	22

NOTES: Temperature data based on records at North Appalachian Experimental Watershed. STA AV is for 33 yr (1939-71) record period.

1971	DA	ILY PERCI	PITATION	(inches)			COSHO	CTON, OHI	O WATER	SHED 95		
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Hov	Dec
1	0.0	0.0	0.0	0.12	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.03	0.10	0.05	0.0	0.0	0.01	0.0	0.43	0.0
3 a	0.12	0.0	0.30S	0.0	0.0	0.15	0.0	0.26E	0.01	0.0	0.0	0.0
5	0.87	0.45	0.305	0.0	0.0 1.59	0.0	0.0	0.10	0.0	0.0	0.0	0.0
			0.0	0.0	1. 39	0.0	0.0	0.0	0.0	0.0	0.0	0.12
6	0.0	0.0	0.66	0.0	1.64	0.67	0.0	0.0	0.06	0.0	0.198	1.1
7	0.0	0.0	0.048	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.068	0.58
8	0.0	1.325	0.048	0.0	0.04E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.02	0.0	0.54	0.0	0.0	0.35	0.09 8	0.0
10	0.0	0.0	0.258	0.0	0.0	0.0	0.14	0.99	0.0	0.0	0.0	0.0
11	0.0	0.0	0.10S	0.0	0.07	0.0	1.24	0.13	0.0	0.0	0.0	0.0
12	0.0	0.35M	0.38E	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.13	0.0	0.0	0.17	0.0	0.51	0.0	0.0	1.31	0.0	0.0	0.00
14	0.12	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.51
15	0.0	0.0	0.19E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43
16	0.058	0.0	0.025	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.05s	0.14	0.015	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.05	0.185	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.28	0.0
20	0.0	0.14	0.055	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.10	0.20
21	0.0	0.0	0.0	0.06	0.0	0.06	0.0	0.27	0.0	0.0	0.0	0.0
22	0.0	0.95	0.065	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0
23	0.0	0.068	0.085	0.0	0.0	0.0	0.0	0.44	0.0	0.10	0.0	0.0
24	0.06S	0.068	0.0	0.0	0.0	0.0	0.74	0.0	0.0	0.10	0.198	0.0
25	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.37	0.05	0.0	0.0	0.0
26	0.025	0.0	0.0	0.0	0.03E	0.0	0.12	0.98	0.17	0.0	0.0	0.23
27	0.015	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.208	0.0
28	0.028	0.0	0.0	0.028	0.0	0.04E	0.10	0.0	0.0	0.0	0.0	0.18
29	0.098		0.0	0.0	0.0	0.07E	0.0	0.0	0.0	0.0	0.55E	0.05
30	0.0		0.0	0.0	0.0	0.04	0.07E	0.0	0.0	0.0	0.0	1.02
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AL	1.56	3.82	2.66	0.66	4.91	1.58	3.03	3.92	1.99	1.06	2.08	4.6
A A	2.76	2.45	3.44	3.39	3.75	4.00	4.40	2.81	2,53	2.21	2.57	2.47

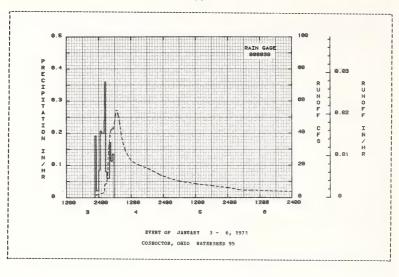
NOTES: Precipitation amounts are for rain gages 27, 39 and 91 thru September 30, 1971. Rain gage 39 discontinued October 1, 1971. Bain gages 27 and 91 used from October 1, 1971 thru December 31, 1971. Codes '5' may reflect estimated storm duration rather than estimated rainfall amounts.

19	71	BEAN DAIL	Y DISCHARG	EE (cfs)			COSE	OCTOR, OH	IO WATER	SHED 95		
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.760	0.259	7.085	2.665	0.702	0.720	0.149	0.034	0.045	0.025	0.045	0.763
2	1.680	0.190	5.785	2.455	0.812	0.705	0.164	0.020	0.032	0.020	0.568	0.193
3	1.605	0.254	4.380	2.115	0.802	1.083	0.063	0.158	0.040	0.018	0.194	0.164
4	23.277	4.781	4.600	1.890	0.650	0.676	0.039	0.192	0.047	0.015	0.097	0.170
5	8.900	17.532	3.855	1.765	2.036	0.554	0.035	0.094	0.029	0.010	0.077	0.197
6	4.391	2.379	11.522	1.640	98.110	1.453	0.033	0.031	0.017	0.008	0.085	4.012
7	3.260	1.465	26.986	1.565	16.861	0.975	0.028	0.011	0.017	0.006	0.129	7.074
8	2.940	1.530	11.857	1.465	22.244	0.615	0.021	0.005	0.015	0.005	0.097	2.369
9	2.940	1.395	8.719	1.365	11.085	0.523	0.837	0.001	0.011	0.024	0.114	1.405
10	2.775	1.215	8.156	1.240	7.679	0.502	0.325	1.482	0.009	0.121	0.100	1.180
11	2.505	1.180	8.318	1.150	5.914	0.451	3.805	0.472	0.004	0.053	0.092	0.982
12	2.250	1.711	8.797E	1.150	6.313	0.498	0.521	0.101	0.001	0.031	0.086	0.775
13	2.137	3.439	22.019E	1.415	4.854	1.821	0.256	0.046	2.214	0.026	0.080	0.655
14	3.408	2.247	12.400E	1.310	3.815	0.929	0.145	0.024	0.422	0.053	0.077	3.327
15	2.145	1.570	12.432E	1.040	3.289	0.633	0.090	0.015	0.150	0.039	0.071	4.700
16	1_680	1, 395	9.777E	0.993	3, 192	0.514	0.064	0.009	0.112	0.029	0.068	2.679
17	1.605	4.891	7.544	1.197	3.108	0.394	0.052	0.003	0.100	0.026	0.074	1.990
18	1.465	8.562	6.505	1.031	2.522	0.323	0.047	0.0 T	0.075	0.023	0.209	1.505
19	1.220	32.103	6.280	0.914	2.136	0.260	0.043	0.0	0.527	0.020	0.194	1.330
20	1.095	38.543	6.175	0.858	1.872	0.219	0.043	0.059	0.201	0.016	0.210	1.927
21	1.180	11.775	5.665	0.949	1,664	0.339	0.032	0.052	0.124	0.010	0.120	1.510
22	1.235	61.475E	5.185	0.993	1.476	0.204	0.018	0.275	0.078	0.197	0.089	1.125
23	1.150	18.310	4.825	0.925	1.318	0.160	0.011	1.264	0.056	0.239E	0.110	0.991
24	1.095	10.121	4.405	0.858	1.312	0.131	0.565	0.073	0.041	0.097E	0.136	0.947
25	1.240	10.030	3.870	0.775	2.184	0.126	0.239	0.311	0.033	0.089E	0.146	0.925
26	1.050	11.600	3.445	0.719	1.427	0.121	0.136	1.641	0.120	0.067E	0.281	1.264
27	0.736	11.300	3.245	0.735	1.229	0.116	0.109	3.619	0.089	0.054	0.267	1.430
28	0.612	9.090	3.120	0.963	1.102	0.100	0.052	0.270	0.061	0.051	0.975	2.182
29	0.498E		2.890	0.753	0.996	0.166	0.043	0.150	0.043	0.045	0.744	1.682
30	0.451E		2.610	0.719	0.915	0.108	0.062	0.097	0.031	0.043	0.0	18,414
31	0.385		2.610		0.815		0.062	0.067		0.043		7.093
BAN	2.6668	9.6549	7.5826	1.2538	6.8526	0.5141	0.2611	0.3413	0.1583	0.0487		2.418
CHES	0.766	2.504	2.177	0.348	1.967	0.143	0.075	0.098	0.044	0.014	0.051	0.69
VA AT	1.458	1.661	2.402	1.943	1.227	0.787	0.580	0.192	0.124	0.181	0.351	0.80

NOTES: To convert CFS to IN/DAY, multiply by 0.0092613. STA AV based on 34 yr period.

	ECTED RUNO					COSHOCTO	OIHO , RO	WATERSHED	95	
	ENT CONDIT			P A	INPALL			RUNOF	P	
Date	Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
Ho-Day	(inches)	(inches)	Mo-Day	of Day	(in/hr)	(inches)	No-Day	of Day	(cfs)	(inches)
			202	NT OF JA	ыпару 3 —	6, 1971				
			D * D			0, 1371				
1- 3	G 000039	0.014	1- 3	2235	0.0	0.0	1- 3	2300	1.600	0.0
1- 3	0.0	0.014	1- 3	2300	0.1920	0.08	1- 3	2400	1.850	0.0007
				2304	0.1500	0.09	1- 4	145	3.060	0.0024
				2400	0.0214	0.11		206	4.160	0.0029
			1- 4	28	0.0857	0.15		218	8.280	0.0034
паньааал	CONDITIONS:			20	*****					
	%, cropland			100	0.2062	0.26		252	8.800	0.0053
	26%, woodla			200	0.2000	0.46		310	12.200	0.0065
scellaneo	us; watersh	ed in		215	0.2400	0.52		324	15.700	0.0078
proved pr				230	0.3600	0.61		326	20.400	0.0080
				300	0.0800	0.65		330	23.500	0.0086
				400	0.0600	0.71		340	28.700	0.0103
				428	0.1714	0.79		350	33.000	0.0123
				500	0.1125	0.85		410	37.700	0.0168
				540	0.1350	0.94		414	38.900	0.0178
								430	42.100	0.0220
								444	42.100	0.0258
								506	43,400	0.0318
								530	42.700	0.0384
								554	46.800	0.0453
								614	51.000	0.0516
								630	54.000	0.0570
								650	54.000	0.0639
								704	52.500	0.0687
								730	49.600	0.0772
								750	45.400	0.0833
								800	44.000	0.0862
								824	38.900	0.0926
								900	34.200	0.1011
								1000	28.700	0.1132
								1100	25.800	0.1237
								1200	23.000	0.1331
								1330	21.300	0.1459
								1550	19.600	0.1643
								1820	17.900	0.1824
								2010	16.400	0.1945
								2150	14.900	0.2046
								2320	13.500	0.2128
								2400	13.200	0.2162
							1- 5	600	10.100	0.2432
								1300	8.280	0.2680
								1800	7.300	0.2830
								2400	6.170	0.2986
							1- 6	400	4.820	0.3071
								600	4.480	0.3107
								930	4.480	0.3168

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.00038589.



LOCATION: Coshocton Co., Ohio: 10 wi. NE of Coshocton; Tuscarawas River, Huskingum River Basin.

ARFA: 52.80 acres

				AND RUNOF					COSECTO					
		Jan	Feb	Bar	Apr	Нау	Jun	Jul	Aug	Sep	Oct	No₹	Dec	Annual
	P	1.34	3.55	1.90	0.50	4.50	1.02	2.77	1.82	2.26	0.96	1.50	4_44	26.56
1971	Q	0.644	2.776	1.692	0.077	1.237	0.001	0.015	0.0	0.008	0.0	0.006	0.343	6.799
TA AV	P	2-25	2.20	3.47	3.20	3.34	2.86	4.04	2.36	2.44	1.82	2.50	2.49	32.96
	Q	0.823	1,235	2.211	1-436	0.706	0.263	0.492	0.078	0.046	0.068	0.166	0.443	7.967
													INTERVAL	
		Haxis		1 Hour	2 1				or Selec			1		
		Maxie Dische Date I	arge	1 Hour Date Vol	2 Date		6 Hot	ırs		1		1 2 Da	.ys	
1971		Discha	arge Rate		. Date	Wol.	6 Hot Date V	ol. D	12 Hours ate Vol	. Date	Vol.	1 2 Da Date	ys Vol. D	8 Days
1971		Discha Date I	arge Rate	Date Vol	Date	Wol. 0.280	6 Hot Date V	701. D	12 Hours ate Vol - 5 0.7	. Date	Vol.	1 2 Da Date	ys Vol. D	8 Days

moffs: deterabed conditions: Cover of 155 hardwoods, 28 reforested, 678 grassland, 168 misrellameous, vaterabed in improve practice, Por map of waterabed, see hydrologic bats for Experimental Agricultural Materabed in the United States, 1960-61, USDA Misc. Pub. 994, p. 26.30-44. For Geology description and map, see Hydrologic Data for Experimental Agricultural Naterabeds in the United States, 1962, USDA Misc. Pub. 1970, pp. 26.38-1 and 26.30-3. Precipitation data from rain gage 107. Precipitation and runoff records began June 1960. For long-time precipitation ration records, see National Heather Service records at Cosbototo, Ohio.

19	71 DJ	ILY PRECI	PITATION	(inches)			COSHO	CTON, CHI	O WATER	SHED 174		
Day	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.10E	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.02E	0.05	0.05	0.0	0.0	0.11	0.0	0.19	0.0
3	0.05	0.0	0.305	0_0	0.0	0.05	0.0	0.0	0.21	0_0	0.0	0.0
4	0.85	0.47	0.305	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
5	0.0	0.18	0.0	0.0	1.26	0.0	0.0	0.01E	0.0	0.0	0.0	0.09
6	0.0	0.0	0.50	0.0	1.72	0.27	0.0	0.0	0.04	0.0	0 10 8	1.11
7	0.0	0.0	0.035	0.0	0.50	0.0	0.0	0_0	0.0	0.0	0.10 ≝	0.47
8	0.0	1.325	0.035	0.0	0.03E	0.0	0.0	0.0	0.0	0.0	0.0	0_0
9	0.0	0.0	0.0	0.0	0.0	0.0	039	0.0	0.0	0-34E	0.058	0.0
10	0.0	0.0	0.10S	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0	0.0
11	0.0	0.0	0.105	0.0	0.10	0.0	1.03	0.05	0.0	0.0	0.0	0.0
12	0.0	0.358	0.35	0.0	0.13	0.0	00	0.0	0.0	0.0	0.0	0.0
13	0.10	0.0	0.0	0.12	0.0	0.30	0_0	0.0	1.25	0.0	0.0	0.0
14	0-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.53
15	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.45
16	0.025	0.0	0.0 S	0.0	0.31	0.0	0.0	0.0	0_0	0.0	0.0	0_0
17	0.035	0.15E	0.015	0-02E	0.0	0.0	00	0.0	0.0	0.0	0.0	0_05M
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.05	0.03M	0.0	0.0	0-0	0.0	0.0	0.43	0.0	0.30	0.0
20	0.0	0.10	0.045	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0. 10	0.158
21	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0-02E	0.0	0.0	0.0	0.0
22	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
23	0.0	0.045	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.10	0.0	0.0
24	0.095	0.045	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.10	0.118	0.0
25	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.40	0.06	0.0	0.0	0.0
26	0.015	0.0	0.0	0.0	0.0	0.0	0.25	0.11	0.16	0.0	0.0	0.27
27	0.015	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.058	0.05E
28	0.015	0.0	0.0	0.07	0.0	0.19	0.08	0.0	0.0	0.0	0.0	0.12
29	0.038		0.0	00	0.0	0-14	0.0	0.0	0.0	0.0	0.50#	0.05E
30	0.0		0-0	0.0	0.0	0.0	0-06E	0.0	0.0	0.0	0.0	1.10
31	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1. 34	3.55	1-90	0.50	4_50	1.02	2.77	1.82	2.26	0.96	1.50	4-44
STA AV	2.25	2.20	3.47	3.20	3.34	2.86	4_04	2.36	2.44	1.82	2.50	2-49

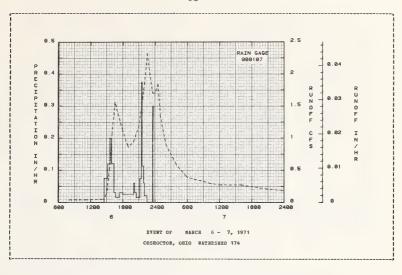
ROTES: For daily air temperatures in the vicinity, see table for Watershed W-95, p. 26.035-1. Precipitation amounts are for raim gage 107. STA AV based on 12 yr period, part-year records included. Codes 'E' may reflect estimated storm duration rather than estimated rainfall amounts.

197	1	BEAN DAILY	DISCHAR	E (cfs)			COSBC	OCTOR, OH	O WATER:	SEED 174		
Da y	Jan	Feb	Bar	Apr	5ay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.017	0.002	0.073	0.021	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.019	0.001	0.055	0.019	0.001	0.0 T		0_0	0.0	0.0	0.0	0.0
3	0.020	0.0	0.042	0.015	0.001	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
4	0.751	0.223	0.036	0_011	0_001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.131	0.582E	0.039	0.010	0.037	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.078	0.012E	0.512	0_010	1.761	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.068	0.005E	0-420	0.008	0.250	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0-059	0.003E	0.142	0.007	0.289	0_0	0_0	0.0	0.0	0.0	0.0	0.0
9	0.047	0.003	0.084	0.006	0.107	0.0	0.0 T	0.0	0.0	0-0	0.0	0.0
10	0.033	0.003	0.105	0.004	0.064	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0,022	0.003	0.099	0.003	0.042	0.0	0.030	0.0	0.0	0.0	0.0	0.0
12	0.015	0.031	0.219	0.004	0-047	0.0	0.002	0.0	0.0	0.0	0.0	0.0
13	0.015	0.130	0.643	0.004	0.024	0.001	0.0	0.0	0.014	0.0	0.0	0.0
14	0-052	0-021	0-215	0006	0-017	0.0	0.0	0-0	0.001	0.0	0.0	0.0
15	0.020	0.010	0.244	0.004	0.013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.011	0.006	0.130	0.003	0.021	0.0	0.0	0.0	0.0	0.0	0.0	00
17	0.010	0.256	0.083	0.004	0.018	0.0	0.0	00	0.0	0.0	0.0	0.0
18	0.008	0.406	0.068	0-003	0.008	00	0.0	0.0	0.0	0.0	0.0	0.0
19	0.006	1.009	0.068	0.002	0.006	0-0	0-0	0.0	0-001	0.0	0.0	0.0
20	0.005	0.801	0.064	0.002	0.005	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
21	0.005	0143	0.055	0_002	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0-005	1-560	0.055	0-004	0.003	0_0	0.0	0-0	0.0	0.0	0.0	0.0
23	0.005	0-197	0.050	0.003	0.003	0.0	0.0	0-0	0.0	0.0	0-0	0.0
24	0.005	0-090	0-046	0.001	0.003	0.0	0-0	0.0	0.0	0.0	0.0	0.0
25	0.005	0.155	0.042	0.001	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.005	0. 171	0.036	0.001	0.003	0.0	0.001	0_0	0.0	0.0	0.0	0.0
27	0.003	0-236	0.030	0.003	0.002	0.0	0.0	0.0	0.0	00	0.0	0.0
28	0.001	0099	0.027	0.003	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.002		0.024	0.002	0.001	0.0	0.0	0.0	0.0	0.0	0.009	0.00
30	0.002		0.021	0-001	0-0 T	0.0	0.0	0.0	0.0	0.0	0.005	0.4
31	0.002		0.021		0.0		0.0	0.0		0.0	0.000	0.0
AN	0.0461	0-2199	0.1211	0.0057	0.0885	0.0001	0.0011	0.0	0.0006	0.0	0.0005	0.0
CHES	0.644	2.776	1-692	0.077	1.237	0 - 001	0.015	0.0	0.008	0.0	0.006	0
A AV	0.823	1.235	2.211	1-436	0.706	0.263		0.078	0.046	0.068	0.166	0-4

NOTES: To convert CFS to IM/DAY, multiply by 0.45079. STA AV based on 12 yr period, part-year records included.

	ECTED RUNOS	I DADOT				COSHOCIC	on, Onio	WATERSHE	, ,,,,	
ANTECE	ENT CONDI				INPALL			BURGI	P.P	
Date Bo-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			pup	NT OF	MARCH 6 -	7, 1971				
			542			7, 1371				
	G 000107			RG 000						
3- 6	0.0	0.006	3- 6	1430	00	0.0	3- 6	800	0.039	0.0
				1510	0.0750	0.05		1100	0.039	0.0022
				1535	0.1200	0.10		1430	0-055	0.0053
				1550	0.2000	015		1500	0.147	0.0062
				1620	0_1200	0.21		1530	0.514	0.0093
ATERSHED	CONDITIONS:									
over of 15	%, hardwood	is: 2%,		1640	0.0300	0.22		1600	1.100	0.0169
eforested:	67% grass	land:		1720	0.0150	0.23		1630	1.560	0.0294
%. miscel	laneous: wa	tershed		1800	0.0300	0.25		1800	1, 100	0.0669
1 improved	practice.			2000	0.0250	0.30		1900	0.858	0.0853
	k			2010	0.0600	0.31		2000	0.950	0.1023
				2030	0-0300	0.32		2100	1.200	0.1225
				2110	0.0150	0.33		2200	1.840	0.1510
				2126	0.0750	0.35		2230	2.320	0. 1705
				2134	0.3750	0.40		2330	1.700	0.2083
				2150	0.1125	0.43		2400	1.700	0.2243
				2200	0.0600	0_44	3- 7	30	1.840	0-2409
				2230	0-0200	0.45		100	1.320	0.2557
				2330	0.0	0.45		200	0.903	0-2766
				2340	0-3000	0.50		400	0.581	0.3045
								600	0.395	0.3228
								1000	0.295	0.3487
								1200	0.295	0.3487
								1600	0.273	0.3799
								2030	0.214	0.4005

HOTES: To convert runoff in CFS to IM/HE, multiply by 0.01878287.



LOCATION: Coshocton Co., Ohio 10 mi. HE of Coshocton; Tuscarawas River, Huskingum River Basin.

AREA: 187.00 acres

E0	DETHLY	PRECIPI	TATIOE	AND RUNOR	F (inche	s)		C	OSHOCTOR,	OHIO	WATERSE	ED 194		
		Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	Oct	No∀	Dec	Annual
1971	P Q	1.34 0.975	3.55 3.093	1.90 2.203	0.50 0.323	4.50 1.648	1.02 0.091	2.77 0.100		2.26 0.048	0.96 0.023	1.50 0.048	4.44 0.403	26.56 8.986
TA AV	P Q	2.30 1.282	2.28 1.743	3.27 3.038	3.07 2.136	3.30 1.375	2.86 0.546	4.04 0.665		2.44 0.104	1.82 0.161	2.50 0.323	2.49 0.734	32.72 12.250
		Harin							r Selecte					
		Discha Date F	arge	1 Hour Date Vol		Hours Vol.	6 Hot	ırs 1	r Selecte 2 Hours te Vol.	3	Day	l 2 Days Date Vo		Days e Vol.
1971		Discha	arge Rate	Date Vol	. Date	Wol.	6 Hot Date 1	ırs 1	2 Hours te Vol.	Date	Day	2 Days	1. Dat	e Vol.
1971		Discha Date F	arge Rate	Date Vol	L. Date	Wol. 0.256	6 Hot Date 1	rs 1	2 Hours te Vol. 5 0.719	Date	Day Vol.	2 Days Date Vo	1. Dat	e Vol.

1971	Då	ILY PRECI	PITATION	(inches)			COSEC	CTON, OHI	O WATER	SBPD 194		
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.10E	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.02E	0.05	0.05	0.0	0.0	0.11	0.0	0.19	0.0
3	0.05	0.0	0.305	0.0	0.0	0.05	0.0	0.0	0.21	0.0	0.0	0.0
4	0.85	0.47	0.308	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
5	0.0	0.18	0.0	0.0	1.26	0.0	0.0	0.01E	0.0	0.0	0.0	0.0
6	0.0	0.0	0.50	0.0	1.72	0.27	0.0	0.0	0.04	0.0	0.108	1.1
7	0.0	0.0	0.038	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.108	0.4
8	0.0	1.325	0.035	0.0	0.03E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.34E	0.058	0.0
10	0.0	0.0	0.105	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0	0.0
11	0.0	0.0	0.105	0.0	0.10	0.0	1.03	0.05	0.0	0.0	0.0	0.0
12	0.0	0.35M	0.35	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.10	0.0	0.0	0.12	0.0	0.30	0.0	0.0	1.25	0.0	0.0	0.0
14	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.5
15	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
16	0.028	0.0	0.0 S	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.038	0.15E	0.01S	0.02E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.05	0.038	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.30	0.0
20	0.0	0.10	0.045	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.10	0.1
21	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.028	0.0	0.0	0.0	0.0
22	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
23	0.0	0.045	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.10	0.0	0.0
24	0.098	0.045	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.10	0.115	0.0
25	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.40	0.06	0.0	0.0	0.0
26	0.015	0.0	0.0	0.0	0.0	0.0	0.25	0.11	0.16	0.0	0.0	0.2
27	0.01S	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.058	0.0
28	0.015	0.0	0.0	0.07	0.0	0.19	0.08	0.0	0.0	0.0	0.0	0.1
29	0.03#		0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.50E	0.0
30	0.0		0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.0	0.0	7.1
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TAL	1.34	3.55	1.90	0.50	4,50	1.02	2.77	1.82	2.26	0.96	1.50	4.4
A AV	2.30	2,28	3.27	3.07	3.30	2.86	4.04	2.36	2.44	1.82	2.50	2.4

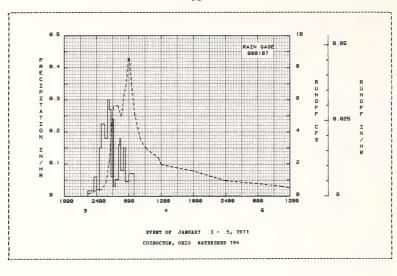
BOTES: For daily air temperatures in the vicinity, see table for Watershed W-95, p. 26.035-1. Precipitation amounts are for rain gage 107. STA AV based on 12 yr period. Codes '8' may reflect estimated storm duration rather than estimated rainfall amounts.

19	71	HEAN DAIL	DISCHAR					OCTON, OH	IO WATER	SHED 194		
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.188	0.037	0.322	0.189	0_047	0.042	0.027	0.010	0.002	0.008	0.006	0.012
2	0.176	0.060	0.289	0.189	0.052	0.042	0.018	0.010	0.004	0.010	0.016	0.008
3	0.169	2.373	0.274	0.142	0.047	0.042	0.018	0.008	0.006	0.008	0.006	0.00
4	2.620	1.429	0.244	0.121	0.037	0.037	0.021	0.006	0.005	0.006	0.006	0.01
5	0.645	2.119	0.229	0.121	0.251	0.037	0.021	0.005	0.004	0.003	0.006	0.01
6	0.402	0.102	1.248	0.121	6.373	0.045	0.018	0.004	0.007	0.001	0.010	0.23
7	0.289	0.065	1.834	0.112	0.908	0.042	0.018	0.004	0.007	0.001	0.019	0.20
8	0.258	0.058	0.660	0.094	1.205	0.029	0.021	0.004	0.012	0.001	0.010	0.04
9	0.229	0.072	0.458	0.086	0.600	0.021	0.034	0.004	0.011	0.012	0.010	0.02
10	0.201	0.086	0.417	0.086	0.439	0.021	0.018	0.013	0.002	0.009	0.010	0.02
11	0.176	0.079	0.417	0.086	0.343	0.021	0.138	0.007	0.003	0.004	0.010	0.02
12	0.164	0.130	0.733	0.086	0.352	0.021	0.029	0.004	0.005	0.003	0.010	0.02
13	0.169	0.485	2.658	0.090	0.258	0.021	0.021	0.004	0.110	0.002	0.008	0.02
14	0.274	0.182	1.011	0.096	0.215	0.021	0.021	0.004	0.023	0.006	0.006	0.17
15	0.164	0.103	1.105	0.065	0.176	0.021	0.021	0.005	0.012	0.002	0.006	0.17
16	0.152	0.079	0.717	0.058	0.202	0.021	0.021	0.004	0.010	0.002	0.006	0.06
17	0.142	0.696	0.524	0.065	0.187	0.018	0.021	0.002	0.010	0.003	0.006	0.03
18	0.121	0.997	0.437	0.065	0.142	0.015	0.021	0.002	0.010	0.003	0.006	0.02
19	0.103	2.619	0.437	0.058	0.121	0.015	0.021	0.002	0.043	0.003	0.008	0.02
20	0.086	2.840	0.437	0.058	0.112	0.015	0.015	0.015	0.018	0.004	0.012	0.03
21	0.086	0.603	0.397	0.058	0.103	0.015	0.010	0.010	0.012	0.004	0.012	0.02
22	0.086	5. 198	0.359	0.058	0.094	0.015	0.012	0.008	0.004	0.018	0.008	0.01
23	0.086	0.827	0.307	0.058	0.086	0.015	0.015	0.023	0.004	0.014	0.006	0.01
24	0.086	0.420	0.258	0.058	0.086	0.015	0.060	0.006	0.004	0.013	0.006	0.02
25	0.086	0.572	0.258	0.052	0.136	0.015	0.018	0.022	0.007	0.006	0.008	0.03
26	0.103	0.646E	0.258	0.047	0.079	0.015	0.058	0.036	0.008	0.006	0.010	0.06
27	0.089	0.959B	0.243	0.050	0.072	0.015	0.015	0.009	0.006	0.006	0.023	0.06
28	0.052	0-465	0.229	0.069	0.065	0.016	0.015	0.004	0.006	0.006	0.012	0.07
29	0.094		0.201	0.047	0.058	0.027	0.015	0.004	0.008	0.006	0.079	0.04
30	0.106		0.176	0.047	0.052	0.021	0.010	0.004	0.008	0.006	0.036	1.342
31	0.054		0.164		0.047		0.010	0.003		0.006		0.246
AH	0.2472	0.8679	0.5583	0.0845	0.4177	0.0239	0.0253	0.0080	0.0124	0.0059	0.0127	0. 102
CHES	0.975	3.093	2.203	0.323	1.648	0.091	0.100	0.031	0.048	0.023	0.048	0.40
VA AS	1.282	1.743	3.038	2.136	1.375	0.546	0.665	0.145	0.104	0.161	0.323	0.73

NOTES: To convert CFS to IM/DAY, multiply by 0.12728. STA AV based on 12 yr period.

1 SELECTED BUI	OPF EVENT				COSHOCTO	OIRO , BC	WATERSHE	194	
ASTECEDEST CON				NFALL			RUBCI		
Date Rainfal: Mo-Day (inches)		Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		EVE	HT OF JAN	UARY 3 -	5, 1971				
RG 000107			RG 0001	07					
1-3 0.0	0.020	1- 3	2220	0.0	0.0	1- 3	2230	0.164	0.0
			2330	0.0171	0.02		2400	0.340	0.0020
			2400	0.0600	0.05	1- 4	100	0.417	0.0040
		1- 4	30	0-0200	0.06		145	0.880	0.0066
			50	0-1500	0.11		225	2,360	0.0123
ATERSHED CONDITION									
K, hardwoods; 2%,	re-		130	0.2250	0.26		240	3.450	0.0162
rested; 58%, grass	sland;		200	0.1800	0.35		250	4.420	0.0197
6, cultivated; 8%,	miscel-		220	0.3000	0.45		300	5.180	0.0239
neous; watershed :	in		240	0.2700	0.54		312	5.620	0.0296
prowed practice.			300	0.0600	0.56		400	5.620	0.0534
			310	0.2400	0.60		430	4.980	0.0675
			330	0.0300	0.61		444	5.180	0.0738
			405	0.0514	0.64		500	6.080	0.0818
			420	0.1600	0.68		514	6.540	0.0896
			430	0.1800	0.71		530	7.000	0.0992
			500	0.0800	0.75		540	7-460	0.1056
			520	0.1500	0.80		554	8.580	0.1155
			600	0.0450	0.83		606	8.580	0.1246
			700	0.0700	0.90		630	7.000	0.1411
							704	5.180	0.1594
							730	4.420	0.1704
							814	3.450	0.1857
							930	2.850	0.2069
							1130	2.360	0.2345
							1200	1.950	0.2402
							1800	1.550	0.2959
							2400	0.940	0.3355
						1- 5	600	0.760	0.3625
							1022	0.590	0.3781

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.00530340.



LOCATION: Coshocton County, Chio; 10 miles NE of Coshocton; Walhonding River, Muskingum River Basin.

AREA: 79.20 acres

HC	NTHLY	PRECIPI	HOITATION	AND RUI	NOFF (inch	es)			COSHOC	CHO, OH	TAW O	BRSHED	166		
		Jan	Feb	Har	Apr	Hay	Jun	Jul	λug	Sep	Oct	How	Dec		Annual
	P	1.43	3.44	2.47	0.57	4.38	1.16	2.90	1.75	2.26	0.96	1.70	4.1	15	27.17
1971	Q	0.783	2.802	2.012	2 0.195	1.130	0.019	0.010	0.0	0.001	0.0	0.00	1 0.2	18	7.171
TA AV	P	2.60	2.23	3,31	3.21	3.84	3.82	4.32	2.70	2.61	2.04	2.48	2.3	2	35.49
	Q	1.070	1.419	2.079	9 1.325	1.272	0.222	1.168	0.090	0.029	0.053	0.20	1 0.8	20	9.749
	ABNU	AL MAXIS	UN DISC	HARGE	(in/hr) AN	MAXIMUE	AOLUEE	S OF RUNC	PF (inche	s) POR	SELECTE	D TIME	INTERV	ALS	
	ABRU	Maxis Discha Date	un irge	HARGE 1 Hot Date V	r 2		faximum 6 Ho	Volume fo	or Selecte	d Time		1 2 D		8	Days
1971	ANNU	Baxis Discha Date E	num irge Rate	1 Hot Date V	r 2	Hours	aximum 6 Ho Date	Volume fours 1	or Selecte 12 Hours ite Vol.	d Time 1 Date	Interva Day Vol.	l 2 D Date	ays Vol.	8 Date	Vol.
1971	ABNO	Baxis Discha Date E	num irge Rate	1 Hot Date V	or 2	Hours Vol.	aximum 6 Ho Date 5- 6	Volume fours 1	or Selecte 12 Hours 14 Vol.	d Time 1 Date	Interva Day Vol.	l 2 D Date	ays Vol.	8 Date	Vol.

NOTES: Watershed conditions: Cover of 4%, hardwoods; 6%, reforested; 67%, grassland; 17%, cultivated; 6%, miscellameous. Watershed in improved practice. For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA misc. Pub. 1370, p. 2.6.41-7. Precipitation records began Panuary 1, 1967. Precipitation data from a gage 100. For long-time precipitation records, see Mational Weather Service records at Coshocton, Ohio.

1971	Dā	ILY PRECI	PITATION	(inches)			cc	SHOCTON,	OHIO WA	TERSEED	166	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	How	Dec
1	0.0	0.0	0.0	0.08	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.02	0.06	0.05	0.0	0.0	0.09E	0.0	0.19	0.0
3	0.12	0.0	0.305	0.0	0.0	0.05	0.0	0.0	0.072	0.0	0.0	0.0
4	0.82	0.35	0.30S	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0
5	0.0	0.20	0.0	0.0	1.25	0.0	0.0	0.01E	0.0	0.0	0.0	0.25
6	0.0	0.0	0.65	0.0	1.66	0.29	0.0	0.0	0.06E	0.0	0.238	0.87
7	0.0	T 0.0	0.058	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.504
8	0.0	1.325	0.058	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.33	0.06#	0.0
10	0.0	0.0	0.255	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0 T
11	0.0	0.0	0.105	0.0	0.06	0.0	1.17	0.0 T	0.0	0.0	0.0	0.0
12	0.0	0.30H	0.35E	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.07	0.0 T	0.0	0.15	0.0	0.45	0.0	0.0	1.32	0.0	0.0	0.0 T
14	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_10	0.0	0.60
15	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35
16	0.045	0.0	0.015	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.05S	0.06	0.01S	0.05E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.058
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.02	0.158	0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.35	0.0
20	0.0	0.10	T 0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.07	0.100
21	0.0	0.0	0.0	0.05	0.0	0.03	0.0	0.0 T	0.0	0.0	0.0	0.0
22	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0
23	0.0	0.045	0.10S	0.0	0.0	0.0	0.0	0.28	0.0	0.08	0.0	0.0
24	0.09S	0.058	0.0	0.0	0.0	0.0	0.65	0.0	0.0	0.11	0.128	0.0
25	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.25	0.10	0.0	0.0	0.0
26	0.015	0.0	0.0	0.0	0.0	0.0	0.16	0.24	0.17	0.0	0.0	0.25
27	0.018	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.151	0.05E
28	0.01S	0.0	0.0	0.02E	0.0	0.15	0.07	0.0	0.0	0.0	0.0	0.13
29	0.098		0.0	0.0	0.0	0.14	0.0 T	0.0	0.0	0.0	0.532	0.0 7
30	0.0		0.0	0.0	0.0	0.0	0.06B	0.0	0.0	0.0	0.0 T	1.00
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
COTAL	1.43	3.44	2.47	0.57	4.38	1.16	2.90	1.75	2.26	0.96	1.70	4.15
STA AV	2.60	2.23	3.31	3.21	3.84	3.82	4.32	2.70	2.61	2.04	2,48	2.32

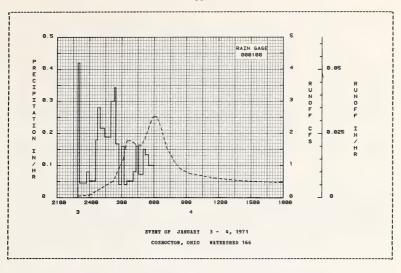
NOTES: For daily air temperatures for the vicinity, see table for Watershed W-95, p. 26.035-1. Precipitation amounts are for rain gage 100. STA AV based on 32 yr period (1940-1971). Codes 'E' may reflect estimated storm duration rather than estimated rainfall amounts.

197	71	REAR DAIL	Y DISCHAR	GE (cfs)			C	SHOCTOR,	M OIHO	ATERSHED	166	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Rov	Dec
1	0.058	0.002	0.172	0.072	0.005	0.004	0.001	0.0	0.0	0.0	0.0	0.0
2	0.054	0.001	0.137	0.072	0.006	0.003	0.0 T	0.0	0.0	0.0	0.0	0.0
3	0.050	0.001	0.104	0.047	0.006	0.003	0.0 T	0.0	0.0	0.0	0.0	0.0
tt	0.775	0.485	0.087	0.036	0.004	0.003	0.0 T	0.0	0.0	0.0	0.0	0.0
5	0.265	0.879	0.082	0.033	0.055	0.003	0.0	0.0	0.0	0.0	0.0	0.0
6	0.200	0.046	0.537	0.033	1.644	0.003	0.0	0.0	0.0	0.0	0.0	0.01
7	0.131	0.030	0.633	0.033	0.318	0.003	0.0	0.0	0.0	0.0	0.0	0.04
8	0.104	0.024	0.347	0.027	0.430	0.002	0.0	0.0	0.0	0.0	0.0	0.00
9	0.104	0.019	0.294	0.024	0.217	0.002	0.001	0.0	0.0	0.0	0.0	0.00
10	0.092	0.013	0.255	0.019	0.172	0.002	0.0	0.0	0.0	0.0	0.0	0.00
11	0.087	0.013	0.216	0.015	0.146	0.002	0.015	0.0	0.0	0.0	0.0	0.00
12	0.077	0.041	0.271	0.015	0.155	0.002	0.001	0.0	0.0	0.0	0.0	0.00
13	0.072	0.161	0.763	0.022	0.105	0.004	0.001	0.0	0.003	0.0	0.0	0.00
14	0.121	0.057	0.380	0.025	0.077	0.002	0.001	0.0	0.0 7	0.0	0.0	0.04
15	0.068	0.024	0.398	0.015	0.058	0.002	0.001	0.0	0.0	0.0	0.0	0.05
16	0.043	0.017	0.287	0.015	0.064	0.002	0.001	0.0	0.0	0.0	0.0	0.01
17	0.036	0.262	0.226	0.017	0.051	0.002	0.0 T	0.0	0.0	0.0	0.0	0.00
18	0.033	0.475	0.181	0.015	0.036	0.002	0.0 T	0.0	0.0	0.0	0.0	0.004
19	0.020	1.703	0.165	0.009	0.030	0.002	0.0 T	0.0	0.0	0.0	0.0	0.00
20	0.015	1. 187	0.157	0.009	0.021	0.001	0.0 T	0.0	0.0	0.0	0.0	0.00
21	0.021	0.360	0.143	0.011	0.017	0.001	0.001	0.0	0.0	0.0	0.0	0.000
22	0.030	1.904	0.129	0.011	0.013	0.001	0.0 T	0.0	0.0	0.0	0.0	0.00
23	0.027	0.380	0.116	0.011	0.009	0.001	0.0	0.0	0.0	0.0	0.0	0.00
24	0.021	0.236	0.098	0.009	0.013	0.001	0.003	0.0	0.0	0.0	0.0	0.00
25	0.027	0.257	0.087	0.008	0.043	0.001	0.0 T	0.0	0.0	0.0	0.0	0.00
26	0.027	0.250	0.082	0.008	0.017	0.002	0.001	0.0	0.0	0.0	0.0	0.00
27	0.016	0.299	0.077	0.006	0.013	0.002	0.001	0.0	0.0	0.0	0.0	0.00
28	0.006	0.197	0.077	0.016	0.009	0.002	0.001	0.0	0.0	0.0	0.0	0.01
29	0.006		0.072	0.006	0.008	0.001	0.0 T	0.0	0.0	0.0	0.004	0.009
30	0.008		0.062	0.005	0.006	0.001	0.0 T	0.0	0.0	0.0	0.0 T	0.35
31	0.005		0.058		0.005		T 0.0	0.0		0.0		0.09
AB	0.0840	0.3330	0.2160	0.0216	0.1212	0.0022	0.0011	0.0	0.0001	0.0	0.0001	
CHES	0.783	2.802	2.012	0.195	1.130	0.019		0.0	0.001	0.0	0.001	0.2
A AV	1.070	1.419	2-079	1.325	1.272	0.222	1.168	0.090	0.029	0.053	0.201	0.87

HOTES: To convert CFS to IN/DAY, multiply by 0.300526. STA AV based on 5 yr period (1967-1971).

1 SE	LECTED RUBOS			COSHOCTON, OHIO WATERSHED 166							
ANTECH	DENT CONDIT	TIONS		RA	INFALL		RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)			Intensity (in/hr)		Date Mo-Day		Rate (cfs)	Acc. (inches)	
			EVE	ET OF JA	HUARY 3 -	4. 1971					
	RG 000100			BG 000	100						
1- 3	0.0	0.014	1- 3	2255	0_0	0.0	1- 3	2300	0.050	0_0	
1- 3	0.0	0.014	1- 3	2305	0.4200	0.07	1- 3	2400	0.050	0.0007	
				2345	0.4200	0.07	1- 9	100	0.067	0.0007	
				2400	0.0450	0.10	1- 4	216	0.275	0.0028	
			1- 4	35	0.0514	0.12		232	0.525	0.0091	
smpncupr	CONDITIONS:		1- 4	33	0.0514	0.13		232	0.733	0.0112	
	%, hardwoods			45	0.1800	0.18		250	0.950	0.0144	
	; 67%, grass			100	0. 1800	0. 15		310	1. 200	0.0144	
	vated: 6%, 1			125	0.2160	0.34		322	1-560	0.0224	
	atershed in			200	0.1886	0.45		330	1-770	0.0252	
neous; w		18-		220	0.3000	0.45		350	1.770	0.0232	
oved bra	ctice.			220	0.3000	0.55		330	1. 770	0.0326	
				227	0.3429	0.59		410	1.700	0.0398	
				245	0.1667	0.64		420	1.630	0.0433	
				300	0.0400	0.65		450	1,630	0.0535	
				315	0.1600	0.69		510	1.840	0.0607	
				330	0.0400	0.70		530	2.160	0.0690	
				405	0.0514	0.73		540	2.340	0.0737	
				420	0.0800	0.75		556	2.520	0.0818	
				435	0.1600	0.79		616	2.520	0.0923	
				500	0.0720	0.82		640	2.160	0.1040	
				512	0.1500	0.85		710	1.560	0.1156	
				530	0.1333	0.89		756	1. 100	0.1284	
				600	01000	0.94		824	0.903	0.1343	
								920	0.735	0.1439	
								1140	0.595	0.1633	
								1400	0.525	0.1797	
								1800	0.460	0.2044	
								2400	0.315	0.2335	

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.01252191.



STILLWATER, OKLAHOMA WATERSHED W-1

LOCATION: Noble Co., Okla.; 15 mi. M. of Stillwater; Black Bear Creek, Arkansas River.

AREA: 16.70 acres

80	BTHLY	PRECIP	HOITATI	AND RU	NOPP (inches	;)			TILL	ATER,	OKLAHO	A WATE	RSHED I	r-1		
		Jan	Peb	Har	Ap	r	Нау	Jun	Jul	Au	ıg	Sep	0ct	Nov	Dec		Annual
1971	P Q	1.46	1.48	0.05			2.92 0.027	5.38 1.999	5.73 0.064			9.89 1.732	3.51 0.949	0.55			36.99 8.543
STA AV	P Q	0.63 0.140	1.04 0.308	1.89 0.79			4.77 1.614	4.06 0.954	4.01 0.574			3.96 0.445	2.44 0.596	1.48 0.34			30.65 6.944
	ANBU	AL MAXI		CHARGE	(in/hr	AHD			S OF RU						INTERV	ALS	
		Disch Date		1 Bo Date			Vol.		Vol.		Vol.		Day Vol.		Yol.		Days Vol.
1971		9-24	0.670	9-24	0.540	9-24	0.813	9-24	1.044 1	2-14	1.156	12-14	1.250	12-14	1.321	9-17	1.607
						2	AXIMUMS	FOR P	SRIOD OF	RECO	RD						
		4-18 1957	6.990	7-15 1951	3.314	7-15 1951	3.737	7-15 1951	3.963 1	10- 2 1959	4.519	7- 4 1951	5.185	10- 1 1959	5.679	9-29 1959	7.627

NOTES: Watershed conditions: All mative grass pasture located in region (8-80) of the Central Bolling Red Prairies land resource area. The pasture was in poor condition at the beginning of the growing season due to a rainfall deficit and heavy grazing during 1970. In 1971 the precipitation total was 6.38 inches above station average, with moderate grazing. Wegetative cover measured in September was 0.66 tons per acre more than that measured at the same time in 1970. There was a gain of 2.22 inches in soil moisture for the year. For map of watershed, mee Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA misc. Pub. 1194, p. 37.1-7 (Berized). Precipitation data obtained from R-1 recording rain gage. Precipitation and rumoff records began July 1991. Station average precipitation data from R-3 recording rain gage. Precipitation and vitin data from R-1 for 1965 through 1971. For long-time precipitation records, see Mational Weather Service records at Stillwater, OfAlmoma.

1971	D.	AILY PREC	IPITATION	(inches)			STILLWATER, OKLAHOMA WATERSHED W-1						
Day	Jan	Peb	Bar	Apr	Вау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	0.0	0.0	0.05	0.0	0.0	0.36	1.98	0.0	0.0	0.0	0.0	0.0	
2	0.78	0.0	0.0	0.0	0.0	1.76	0.0	0.0	0.0	1.23	0.0	0.04	
3	0.68	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.06	
8 5	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	1.37	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.29	0.0	0.0	0.0	
6	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	1.96	0.0	0.0	0.02	
7	0.0	0.04	0.0	0.0	0.0	1.43	0.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.01	0.0	0.0	0.13	0.17	
9	0.0	0.0	0.0		0.14	0.09	0.0	0.0	0.0	0.0	0.0	0.07	
10	0.0	0.0	0.0	0.0	0.35	0.06	1.73	0.43	0.0	0.0	0.0	0.01	
11	0.0	0.04	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	1.61	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	
16	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	2.35	0.0	0.0	0.0	
18	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	1.74	0.79	0.0	0.0	
19	0.0	0.0	0.0	0.89	0.0	0.0	0.09	0.0	0.0	0.31	0.0	0.0	
20	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.53	0.0	0.0	
21	0.0	1.05	0.0	0.0	0.0	0.08	0.0	0.24	0.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	1.29	0.58	0.0	0.80	0.01	0.0	0.0	0.31	0.0	
23	0.0	0.0	0.0	0.0	0.13	0.0	0.03	0.0	0.04	0.0	0.10	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.92	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.06	0.88	0.0	0.31	0.0	0.0	0.58	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0	0.0	0.01	0.0	
29	0.0		0.0	0.05	0.31	0.0	0.0	0.0	0.0	0-0	0.0	0.51	
30	0.0		0.0	0.0	0.04	0.03	0.0	0.0	0.0	0.07	0.0	0.0	
31	0.0		0.0		0.47		0.0	0.0		0.0		0.0	
TOTAL	1.46	1.48	0.05	2.58	2.92	5.38	5.73	0.92	9.89	3.51	0.55	2.52	
STA AV	0.63	1.04	1.89	2.49	4.77	4.06	4.01	2.70	3.96	2.44	1.48	1.18	

HOTES: Amounts recorded at rain gage R-1 used for current monthly totals and for runoff events. STA AV based on 21 yr (1951-71) record period.

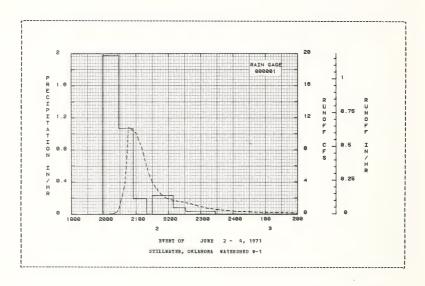
197	71	MEAN DAIL	Y DISCHAR	E (cfs)			STILLW	ATER, OKL	ABOHA WA	IERSHED W	-1	
Day	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Ноч	Dec
1	0.0	0.0	0.017	0.0	0.0	0.032	0.008	0.0	0.0	0.0	0.0	0.0
2	0.015	0.0	0.015	0.0	0.0	0.446	0.001	0.0	0.0	0.294	0.0	0.0
3	0.225	0.0	0.001	0.0	0.0	0.043	0.0	0.0	0.0	0.038	0.0	0.0
4	0-054	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.002	0.0	0.0
5	0.020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.044	0.0	0.0	0.0
7	0.0	0.0	0_0	0.0	0.0	0.286	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.135	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.027	0.0	0.0	0.0	0.0	0.0	0.004
10	0.0	0.0	0.0	0.0	0.0	0.004	0.036	0.0	0.0	0.0	0.0	0.010
11	0.0	0.0	0.0	0.0	0.0	0.036	0.0	0.0	0.0	0.0	0.0	0.008
12	0.0	0.0	0.0	0.0	0.0	0.352	0.0	0.0	0.0	0.0	0.0	0.006
13	0.0	0.0	0.0	0.0	0.0	0.032	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.0	0.0	0.777
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.139
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.031
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.036	0.0	0.0	0.019
18	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.228	0.004	0.0	0.015
19	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.010	0.0 T	0.0	0.008
20	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.0	0.001	0.097	0.0	0.008
21	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.024	0.0	0.008
22	0.0	0.050	0.0	0.259	0.0	0.0	0.0	0.0	0.0	0.015	0.006	0.002
23	0.0	0.0	0.0	0.058	0.0	0.0	0.0	0.0	0.0	0.008	0.024	0.0
24	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.767	0.002	0.010	0.0
25	0.0	0.573	0.0	0.001	0.0	0.0	0.0	0.0	0.108	0.0	0.002	0.0
26	0.0	0.067	0.0	0.0	0.004	0.0	0.0	0.0	0.017	0.053	0.0	0.0
27	0.0	0.024	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.080	0.0	0.0
28	0.0	0.017	0.0	0.0	0.0	0.0	0_0 T	0.0	0.0	0.019	0.0	0.0
29	0.0		0.0	0.0	0.008	00	0.0	0.0	0.0	0.015	0.0	0.062
30	0.0		0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.008	0.0	0.067
31	0.0		0.0		0.004		0.0	0.0		0.006		0.019
EAN	0.0101	0.0262	0.0010	0.0113	0.0006	0.0468	0.0014	0.0	0.0405	0.0215	0.0014	0.038
NCBBS	0.448	1.047	0.046	0.482	0.027	1.999	0.064	0.0	1.732	0.949	0.060	1.68
TA AV	0.140	0.308	0.790	0.846	1.614	0.954	0.574	0.062	0.445	0.596	0.346	0.27

HOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 1.425249.

ARTECEDENT CON	DITIONS		RA.	INFALL			RUNOF	F	
Date Bainfal Bo-Day (inches		Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
		EAE	WT OF	JUNE 2 -	4, 1971				
RG 000001			RG 0000						
6-2 0.0	0.006	6- 2	1958	0.0	0.0	6- 2	2006	0.0	0.0
			2028	1.9800	0.99		2008	0.017	0.0
			2055	1.0667	1.47		2010	0.037	0.0001
			2120	0.1920	1.55		2016	0.054	0.0004
			2130	0.0	1.55		2018	0.071	0.0005
ATERSHED CONDITIO									
0% of area in nat	ive grass		2209	0.2308	1.70		2019	0.101	0.0006
sture: pasture in	DOOL		2232	0.0783	1.73		2020	0.136	0.0007
ndition.			2327	0.0327	1.76		2021	0. 163	0.0008
			2021	******			2022	0.205	0.0010
							2024	0.261	0.0015
							2024		0.0013
							2025	0.340	0.0018
							2026	0.431	0.0022
							2028	0.631	0.0033
							2030	1.073	0.0050
							2032	1.623	0.0077
							2032	1000	0.0077
							2035	2.374	0.0136
							2038	3,216	0.0219
							2040	4. 126	0.0291
							2041	5.035	0.0336
							2042	5.978	0.0391
							2042	3.970	0.0351
							2043	7.039	0.0455
							2044	8.049	0.0529
							2044	10.823	0.0329
							2045	10.823	0.0716
							2047	10.851	0.0823
							2051	10.591	0. 1247
							2055	10.391	0.1662
							2102	9.971	0.2368
							2105	9.203	0.2653
							2111	8,319	0.3173
							2114	7.544	0.3409

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.059385.

AMERCE	ENT COMDIT				MPALL					
Date	Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	RUMOP Time	Rate	Acc.
Ho-Day	(inches)	(inches)		of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			RARMI OL	JUES	2 - 4,	1971 (CO	MTINUED)			
							6- 2	2116	6.904	0.3552
								2121	5.725	0.3864
								2126	4.631	0-9120
								2131	3.907	0.4332
								2136	3.334	0.4511
								2146	2,492	0.4799
								2156	1.970	0.5020
								2210	1.701	0.5274
								2241	1.303	0.5735
								2256	1.002	0.5906
								2310	0.761	0.6028
								2330	0.556	0.6158
								2350	0.406	0.6253
								2400	0.360	0.6291
							6-3	10	0.320	0.6325
								31	0.261	0.6385
								51	0.205	0.6431
								120	0.163	0.6484
								149	0.123	0.6525
								245	0.089	0.6584
								326	0.071	0.6616
								446	0.054	0.6665
								714	0.037	0.6732
								1300	0.017	0.6824
								2400	0.008	0.6906
							6- 4	1240	0.0	0.6936



STILLWATER, OKLAHONA WATERSHED W-3

LOCATION: Noble Co., Okla.; 15 mi. H. of Stillwater; Black Bear Creek, Arkansas River.

ARRA: 92.00 acres

HC	NTHLE	PRECIP:	HOLTATION	AND RUB	OFF (in	hes)		STI	LWATER,	ORLAHOR	A WATE	RSHED	W-3		
		Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	ROA	Dec		Annual
	P	1.46	1.80	0.05	2.70	2.86	5.19	5.33		9.09	3.24	0.58			35.62
1971	Q	0.108	0.419	0.016	0.18	0.002	0.954	0.019	0.0	1.302	0.490	0.01	4 1.	164	4.670
STA AV	P	0.63	1.05	1.91	2.43	4.71	3.99	3.95	2.71	3.81	2.40	1.46	1.1	16	30.23
	Q	0.045	0.170	0.589	0.679	1.393	0.772	0.485	0.075	0.364	0.517	0.18	0 0.1	135	5.403
	ANNO	JAL MAXI	BUM DISC	HARGE ((is/hr) /	ND BAXINUE	AOFRHI	S OF RUNO	P (inche	s) FOR	SELECTE	D TIME	INTER	ALS	
	ANNU	Baxi	num irge	1 Hou	ir	2 Hours	aximum 6 Ho	Volume for	Selecte Hours	d Time	Interva Day	1 2 D	ays	8	Days
	ANNO	Baxi	num irge		ir		aximum 6 Ho	Volume for	Selecte	d Time	Interva	1 2 D		8	Days Vol.
1971	ANNO	Baxi	num irge Rate	1 Hou	r ol. Da	2 Hours	aximum 6 Ho Date	Volume for ours 12 Vol. Dat	Selecte Hours e Vol.	d Time 1 Date	Interva Day Vol.	1 2 D Date	ays Vol.	8 Date	Vol.
1971	ANNO	Maxi Discha Date	num irge Rate	1 Hou	r ol. Da	2 Hours te Vol.	axisum 6 Ho Date 9-24	Volume for ours 12 Vol. Dat	Selecte Hours e Vol.	d Time 1 Date	Interva Day Vol.	1 2 D Date	ays Vol.	8 Date	Vol.

NOTES: Watershed conditions: All mative grass cover, 32% of watershed in hay meadow and 68% in pasture, and located in region (H-80) of the Central Rolling Red Frairies land resource area. The pasture land was heavily grazed and the condition reflects the abuse from heavy grazing and drought during 1970. For map of watershed, see Selected Runoff Events for Small Agricultural Watersheds in the United States, USDA, ABS, Jan. 1960, p. 37.2-6. Precipitation data obtained from P-3 recording rain gage. Precipitation and runoff records began July 1951. STA W based on 27 yr (1951-71) record period. For long-time precipitation records, see Bational Weather Service records at Stillwater, Oklaboma.

197	T D	AILY PREC	IPITATION	(inches)			STILLW	ATER, OKL	AHOHA WA	TERSHED W	-3	
Day	Jan	Peb	Bar	Apr	Bay	Jun	Ju1	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.05	0.0	0.0	0.40	1.69	0.0	0.0	0.0	0.0	0.0
2	0.79	0.0	0.0	0.0	0.0	1.73	0.0	0.0	0.0	1.29	0.0	0.06
3	0.67	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.07
4 .	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	1.27	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.29	0.0	0.0	0.0
6	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	2.01	0.0	0.0	0.02
7	0.0	0.06	0.0	0.0	0.0	1.44	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.04	0.0	0.0	0.14	0.17
9	0.0	0.0	0.0	0.0	0.16	0.09	0.0	0.0	0.0	0.0	0.0	0.02
10	0.0	0.0	0.0	0.0	0.31	0.06	1.72	0.54	0.0	0.0	0.0	0.0
11	0.0	0.05	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	1.49
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	1.88	0.0	0.0	0.0
18	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	1.62	0.66	0.0	0.0
19	0.0	0.0	0.0	0.84	0.0	0.0	0.05	0.0	0.0	0.28	0.0	0.0
20	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.0
21	0.0	1.30	0.0	0.0	0.0	0.08	0.0	0.24	0.0	0.0	0.0	0.0
22	0.0	0.02	0.0	1.36	0.60	0.0	0.76	0.0	0.0	0.0	0.34	0.0
23	0.0	0.03	0.0	0.04	0.11	0.0	0.02	0.0	0.01	0.0	0.09	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.78	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0
26	0.0	0.0	0.0	0.07	0.89	0.0	0.32	0.0	0.0	0.50	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.01	0.0
29	0.0		0.0	0.07	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.42
30	0.0		0.0	0.0	0.04	0.06	0.0	0.0	0.0	0.06	0.0	0.0
31	0.0		0.0		0-42		0.0	0.0		0.0		6.0
TAL	1.46	1.80	0.05	2.70	2.86	5.19	5.33	1.07	9.09	3.24	0.58	2.25
A AV	0.63	1.05	1.91	2.43	4.71	3.99	3.95	2.71	3.81	2.40	1.46	1.16

NOTES: Amounts recorded at rain gage R-3 used for current monthly totals and for runoff events. STA AV based on 21 yr (1951-71) record period.

197	1	MEAN DAIL	Y DISCHAR	SE (cfs)			STILLW	ATER, OKL	AHOHA WA	IERSHED W	-3	
Day	Jan	Peb	Har	Дрг	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.037	0.0	0.0	0.031	0.006	0.0	0.0	0.0	0.037	0.0
2	0.009	0.0	0.025	0.0	0.0	0.859	0.0	0.0	0.0	0.857	0.016	0.0
3	0.334	0.0	0.0	0.0	0.0	0.174	0.0	0.0	0.0	0.226	0.0	0.0
4	0.065	0.0	0.0	0.0	0.0	0.013	0.0	0.0	0.0	0.037	0.0	0.0
5	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.062	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.733	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0_0	0.0	0.446	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.060	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.017	0.066	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.054	0.001	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.101	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.130	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.053	0.0	0.0	0.0	0.0	0.0	2.96
15	0.0	0.0	0.0	0.0	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.68
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.033	0.0	0.0	0.06
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.238	0.0	0.0	0.05
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.032	0.0	0.0	0.05
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.111	0.0	0.03
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.066	0.0	0.03
22	0.0	0.0	0.0	0.449	0.0	0.0	0.0	0.0	0.0	0.051	0.0	0.03
23	0.0	0.0	0.0	0.166	0.0	0.0	0.0	0.0	0.0	0.032	0.0	0.01
24	0.0	0.030	0.0	0.053	0.0	0.0	0.0	0.0	3.215	0.014	0.0	0.01
25	0.0	1.326	0.0	0.023	0.0	0.0	0.0	0.0	0.386	0.0	0.0	0.01
26	0.0	0.162	0.0	0.008	0.007	0.0	0.0	0.0	0.055	0.043	0.0	0.01
27	0.0	0.058	0.0	0.008	0.0	0.0	0.0	0.0	0.013	0.231	0.0	0.01
28	0.0	0.042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.065	0.0	0.01
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.056	0.0	0.09
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.056	0.0	0.19
31	0.0		0.0		0.002		0.0	0.0		0.042		0.07
AN	0.0134	0.0578	0.0020	0.0236	0.0003	0.1229	0.0024	0.0	0.1678	0.0611	0.0018	0.14
CHES	0.108	0.419		0.183	0.002		0.019		1.302	0.490	0.014	1.1
A AV	0.045	0.170	0.589	0.679	1.393	0.772	0.485	0.075	0.364	0.517	0.180	0.1

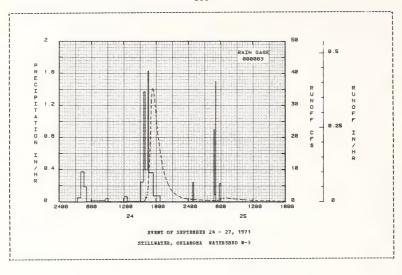
NOTES: To convert mean daily discharge in CPS to IM/DAY, multiply by 0.258714.

ANTECEDENT CONDITIONS				NPALL			RUNOF		
	noff	Date		Intensity	Acc.	Date	Time	Rate	Acc.
	ches)			(in/hr)					(inches)
		EVE	ST OF SEPT	EBBER 24 -	27. 1971				
RG 000003			RG 0000						
	0.0	9-24	326	0.0	0.0	9-24	730	0.0	0.0
			403	0.0486	0.03		804	0.043	0.0001
			440	0.3730	0.26		1515	0-043	0.0034
			506	0-1846	0.34		1548	0.122	0.0039
			556	0-0	0.34		1552	0.247	0.0040
WATERSHED CONDITIONS:			550	0.0	0.34		1332	0.247	0.0040
00% of area in mative gra			837	0-0112	0.37		1554	0.256	0.0041
2% in hay meadow in good	100,		854	0.0353	0.37		1601	0.433	0.0041
ondition, 46% in pasture			909	0.0353	0.30		1602	0.670	0.0045
ondition, 45% in pasture air condition, and 22% i			916	0.0400	0.39		1602	0.670	0.0046
air condition, and 22% is asture in poor condition.			1205	0.0	0.39		1605	1. 152	0.0049
asture in poor condition.			1205	0.0	0.39		1005	1. 152	0.0051
			1244	0.0615	0.43		1606	1.377	0.0053
			1512	0.0013	0.43		1607	1.538	0.0055
			1544	0.0041	0.44		1608	1.458	
									0.0058
			1558	1.3715	0.89		1610	1.352	0.0063
			1630	0.3937	1. 10		1612	1.084	0.0068
			1637	1,6288	1.29		1619	1,308	0.0083
			1729	0.3577	1.60		1621	1.869	0.0088
			1847	0.0692	1.60		1623	2.306	0.0096
		0.05							
		9-25	50	0.0	1.69		1625	2.718	0.0104
			100	0.2400	1.73		1628	3,033	0.0120
			447	0.0	1.73		1631	3.704	0.0138
			451	0.9000	1.79		1634	4.744	0.0161
			505	0.9000	1.81		1636	5.793	0.0179
			507	1.5001	1.86		1638	7.319	0.0204
			549	0.0	1.86		1639	8.368	0.0217
			349	0.0	4.00		1039	0.300	0.0217
			605	0.2250	1.92		1641	8.663	0_0246
			005	0.2230	1.52		1644	9.774	0.0296
							1647	11.496	0.0354
							1650	13, 259	0.0334
							1654	15.716	0.0422

NOTES: To convert runoff in CFS to IM/HE, multiply by 0.01078.

SEL	CTED RUNOF	F EVENT				STILLW	ATER, OKLAI	ONA WATERS	HED W-3	
ANTECED:	BMT CONDIT	IONS Runoff	Date		PALL Intensity	Acc	. Date	RUNOP	P Rate	Acc.
	(inches)	(inches)	Ho-Day	of Day	(in/hr)		es) Ho-Day		(cfs)	(inches)
			EVENT OF	SEPTEMBER	24 - 27,	1971	(CONTINUED)			
							9-24	1658	18.664	0.0649
								1701	21.950	0.0760
								1703	24.962	0.0839
								1706	27.577	0.0983
								1709	31.025	0.1143
								1714	33.672	0.1429
								1721	35.339	0.1865
								1732	35.024	0.2561
								1746	31.684	0.3404
								1759	27.619	0.4091
								1810	24.097	0.4603
								1822	20.637	0.5083
								1837	17.982	0.5603
								1851	15. 123	0.6021
								1907	12.347	0.6414
								1921	10.045	0.6697
								1938	8.318	0.6979
								1956	6.888	0.7222
								2013	5.609	0.7414
								2031	4.631	0.7580
								2045	3.879	0.7688
								2103	3.173	0.7801
								2127	2.556	0.7925
								2153	2.005	0.8032
								2218	1.569	0.8112
								2250	1.227	0.8193
								2324	0.954	0.8260
								2400	0.789	0.8317
							9-25	45	0.640	0.8375
								130	0.537	0.8423
								242	0.441	0.8486
								400	0.341	0.8541
								500	0.318	0.8577
								519	0.359	0.8589
								540	0.446	0.8604
								549	0.574	0.8612
								555	0.740	0.8619
								601	0.824	0.8628
								610	0.896	0.8642
								627	1.042	0.8672
								641	1,128	0.8699
								720	1.084	0.8777
								750	0.973	0.8832
								822	0.823	0.8883
								910	0.710	0.8949
								1002	0.591	0.9010
								1054	0.482	0.9060
								1202	0.384	0.9113
								1256	0.321	0.9147
								1400	0.258	0.9180
								1516	0.204	0.9212
								1640	0.204	0.9239
								1800	0.116	0.9258
								2010	0.091	0.9282
								2400	0.073	0.9316
							9-26	530	0.054	0.9357
							9-26	2400	0.037	0.9357
							9-27	950	0.018	0.9487

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.01078.



STILLWATER, OKLAHOMA WATERSHED W-4

LOCATION: Noble Co., Okla.; 15 mi. N. of Stillwater; Black Fear Creek, Arkansas River.

AREA: 206.00 acres

HO	HTHLY	PRECIP	HOLTATI	AND RUNOP	P (inche	s)		ST	ILLBATER,	OKTVHO	MA WATE	RSHED W-	-4	
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	λug	Sep	oct	Nov	Dec	Annual
1971	P Q	1.47 0.058	1.43 0.202	0.05 0.0	2.28 0.023	3.16 0.024	5.22 0.950	5.35 0.049	0.66 0.0	8-67 1-014	2.71 0.072	0.58 0.0	2.07 0.457	33.65 2.850
STA AV	P Q	0.57 0.058	0.99 0.089	1.82 0.329	2.31 0.386	4.58 1.088	3.88 0.697	3.84 0.456	2.56 0.061	3.82 0.358	2.42 0.445	1.37 0.106	1.10 0.085	29-25 4-157
	ANNU			HARGE (in	/hr) AND				OPF (inch				INTERVALS	
		Maxie Dische Date I	rge	1 Hour Date Vol		Hours Vol.	6 Hc	ours	or Select 12 Hours ate Vol.	1	Interva Day Vol.	2 Da Date		8 Days te Vol.
1971		6-2 (384	9-24 0.3	06 9-24	0.462	9-24	0.577 9	-24 0.60	0 9-24	0.620	9-24	0.628 9-	17 0.923
						BUNIXAR	FOR PE	BRIOD OF	RECORD					
		4-18 2 1957		4-18 1-4 1957	73 4-18 1957	1. 936	10- 2 1959		- 2 4.49 959	3 10- 2 1959	4.711	10- 1 !	5.238 9-	30 6.877

VOTES: Watershed conditions: 111 native crass cover, 17° in hav mendow, 87° in two pratures. Both pastures were heavily crazed, and although precipitation was above normal, the vecntative cover did not improve because of the droubt confliction that existed dering the 18° or any of watershed, see Refoloric hat for Experimental varientlural watersheds in the "mited Grates, 1868, "Son Wisc. Dub. 1194, p. 37.1-6 (revised). Perceipitation and renof records hegge plus 1914 1811, c. 32 at based on 21 or (1851-71) record period. Station average precipitation data from 5-4 recording man record though 1868 condinant with Res 2° for 1865 through 1871. For long-time perceipitation considers we watershed such as a constant of the state of the state

1971	DA	ILY PREC	PITATION	(inches)			STILLWA	ATER, OKL	AHOHA WA	ERSHED W-	-4	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Во₹	Dec
1	0_0	0.0	0.05	0.0	0.0	0.31	1.96	0.0	ø 0.0	0.0	0.0	0.0
2	0.66	0.0	0.0	0.0	0.0	1.52	0.0	0.0	0.0		0.0	0.04
3	0.81	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.08
4	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0_0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.40	0.0	0.0	0.01
6	0.0	0.02	0.0	0_0	0.0	0.0	0.0	0.0	1.17	0.0	0.0	0.01
7	0.0	0.03	0.0	0.0	0.0	1.43	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.16	0.16
9	0.0	0.0	0.0	0.0	0.16	0.07	0.0	0.0	0.0	0.0	0.0	0.03
10	0.0	0.0	0.0	00	0.70	0.08	1.34	0.25	0.0	0.0	0.0	0.01
11	0.0	0.03	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.97	0.0	0.0	0.0	0.0	0_0	0_0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0
14	0_0	0.0	0.0	0.0	0.0	0_0	0.0	0.22	0.0	0.0	00	1.37
15	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
16	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0 14	0.0	0_0	0.0	0.0	1.71	0_0	0.0	0.0
18	0.0	0.15	0.0	00	0.0	0.0	0.0	0.0	1.73	085	0.0	0.0
19	0.0	0.0	0.0	0.70	0_0	0.0	0.11	0.0	0.0	029	0.0	0.0
20	0.0	0.0	0.0	006	0.0	0.0	0.0	0.0	0.0	0.39	0.0	0.0
21	00	1.02	0.0	0.0	0.0	0.05	0.0	0.15	0.0	0.0	0.0	0.0
22	0.0	0.01	0.0	0.92	0.71	0.0	0.92	0.04	0.0	0.0	0.32	0.0
23	0.0	0.03	0.0	0.02	0.04	0.0	0.03	0.0	0.02	0.0	0.09	0.0
24	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	1.81	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0 0	0.0	0.0
26	0.0	0.0	0.0	0.23	0.67	0.0	0.36	0.0	0.0	0.50	0.0	0.0
27	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0_0	00	0.0
28	0.0	0.0	0.0	0.0	00	0.0	0.47	0.0	0.0	0_0	0.01	0.0
29	0.0		0.0	0.09	0.38	0.0	0.0	0.0	0.0	0.0	0_0	0.34
30	0.0		0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.10	0.0	0.0
31	0.0		0.0		0.37		0_0	0.0		0.0		0.0
LATO	1.47	1.43	0.05	2.28	3.16	5.22	5.35	0.66	8.67	2.71	0.58	2.07
ra av	0.57	0.99	1.82	2.31	4.58	3.88	3.84	2.56	3.82	2-42	1.37	110

NOTES: Amounts recorded at rain gage R-2 used for current monthly totals and for runoff events. STA AV based on 21 yr (1951-71) record period.

197	1	HEAR DAIL	T DISCHAR	GE (cfs)			STILLWA	ATER, OKL	AHOHA WA:	IBRSHED W-	-4	
Day	Jan	Feb	Bar	Apr	Вау	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.098	0.178	0.0	0.0	0.0	0.0	0.0
2	0.004	00	0.0	0_0	0.0	2.955	0-009	0.0	0.0	0.148	0.0	0.0
3	0.502	0.0	0.0	0.0	0.0	0.106	0.0	0_0	0_0	0.023	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.073	0.0	0.0	0.0
5	0.0	00	0.0	0.0	0.0	00	0.0	0.0	0.021	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.620	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	1.959	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0_0	0.0	0.0	0.0	0.406	0.0	0.0	0.0	0_0	0.0	0.0
9	0.0	0_0	0.0	0.0	0.0	0.029	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0_0	0_0	0.0	0.035	0.0	0.230	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0-0	0.046	0.170	0.003	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	2,433	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.065	0_0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	2,90
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.08
17	0.0	0_0	0.0	0.0	0_0	0.0	0.0	0.0	0.109	0.0	0.0	0.04
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.502	0.019	0.0	0.03
19	0.0	0.0	0.0	0.001	0.0	00	0.0	0_0	0.005	0.001	0.0	0.02
20	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.266	0.0	0.00
21	0.0	0.076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009	0.0	0.0
22	00	0.0	0.0	0.163	0.087	0.0	0.0	0.0	0.0	00	0.0	0.0
23	0.0	0.0	0.0	0.036	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.020	0.0	0.0	0.0	0.0	0.0	0.0	5.091	0.0	0.0	0.0
25	0.0	1.440	0.0	0.0	0.0	0.0	0.0	0.0	0.318	0.0	0.0	0.0
26	0.0	0.204	0.0	0.0	0.017	0.0	0.0	0.0	0.038	0.053	0.0	0.0
27	0.0	0.009	0.0	00	0.007	0.0	0.0	00	0.0	0.108	0.0	00
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0_0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.10
30	0.0		0.0	0.0	0-014	0.0	0.0	0.0	0.0	0.0	0.0	0.09
31	0.0		0.0		0.002		0.0	0.0		0.0		0.,02
AH	0.0163	0.0625	0.0	0.0067	0.0067	0.2740	0.0136	0.0	0.2926	0.,0202	0_0	0.12
CHES	0.058	0.202	0.0	0.023	0.024	0.950	0.049	0.0	1.014	0.072	00	0.4
A AV	0.058	0.089	0.329	0.386	1.088	0.697	0.456	0.061	0.358	0.045	0.106	0.0

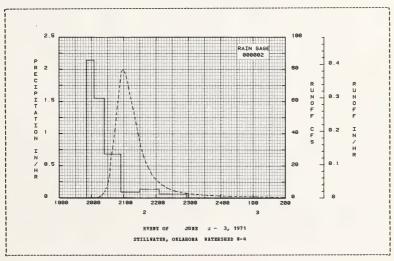
HOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.115542.

ASTECEDENT CONDITI	ONS		RA	INPALL			RUBOR	P	
Date Rainfall Mo-Day (inches)	Runoff (inches)	Date Mo-Day	Time	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		540	NT OF	JUNE 2 -	3, 1971				
		TAT			3, 1971				
RG 000002			RG 000						
6- 2 0-0	0.0	6- 2	1951	0.0	0.0	6- 2	2010	0.0	0.0
			2005	2.1428	0.50		2011	0.021	0.0
			2024	1-5474	0.99		2012	0.042	0.0
			2055	0-6774	1.34		2013	0.305	0-0
			2130	0.0857	1.39		2014	0.553	0.0
ATERSHED COMDITIONS: 0% of area in native			2206	0., 1333	1.47		2015	0.683	0.0001
ow or area in mative ass: 17.3% used as ha			2257	0-0588	1.52		2016	0.003	0.0001
ass; 1/23% used as he adow in good condition	1		225/	0+ U368	1.02		2016	0-773	0.0002
d 82.7% in pasture in	ш,						2018	1. 138	0.0004
ir condition.	L						2019	1.371	0.0005
II COMMICION.							2019	1.371	0.0003
							2020	1.724	0.0006
							2021	2-206	0.0008
							2022	2.499	0.0010
							2023	2,989	0.0012
							2024	3.652	0.0015
							2026	4.696	0.0022
							2027	5-594	0.0022
							2029	6-379	0.0036
							2031	9-200	0.0049
							2032	11.165	0.0057
							2034	13.713 18.564	0.0077 0.0090
							2035 2036	21.935	0.0090
							2036	25.051	0.0125
							2037	27-360	0.0125
							2030	27-300	00146
							2040	31-226	0.0193
							2042	36-136	0.0247
							2044	42-007	0.0309
							2046	48.722	0.0382
							2048	55.899	0.0466
							2051	63.985	0-0610
							2054	73.652	0.0776
							2056	78-571	0.0898
							2100	79.840	0. 1153
							2105	75.571	0-1464

HOTES: To convert runoff in CFS to IM/HE, multiply by 0.004814.

SEI	ECTED RUNOI	P EVERT				STILLWATE	K, OKLABO	A HATERS	05U W-4	
ARTECEL	EST COMDIT	TOES			BPALL			RUBOR		
Date	Rainfall	Runoff	Date		Intensity		Date	Time	Bate	Acc.
io-Day	(inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches
			EVENT OF	JUNE	2 - 3,	1971 (CO	HITHORD)			
							6- 2	2110	67.169	0.1750
							0 2	2117	56-202	0.2097
								2123	46.661	0.2345
								2128	38.282	0-2515
								2132	31.585	0.2627
								2137	25, 923	0.2742
								2142	21.399	0-2837
								2148	17-917	0-2930
								2153	14.046	0.2993
								2200	11-366	0.3064
								2207	9-142	0-3121
								2212	7-856	0.3155
								2220	6.261	0.3200
								2228	4.917	0-3236
									3.778	0.3278
								2240	3.778	0.3278
								2256	2.846	0.3321
								2310	2.266	0.3350
								2328	1.680	0.3379
								2347	1.352	0.3402
								2400	1.157	0.3415
							6- 3	17	0.928	0.3429
								44	0.739	0.3447
								110	0.582	0.3461
								139	0.461	0.3473
								206	0.382	0.3482
								238	0.303	03491
								315	0-243	03499
								400	0.181	0.3507
								440	0.120	0.3512
								532	0.102	0.3517
								648	0.060	0.3522
								832	0.042	0.3526
								1315	0.021	0.3533
								1650	0.021	0.3537
								1858	0_0	0.3538

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.004814.



RIESEL (WACO), TEXAS WATERSHED C

LOCATION: HoLennan Co., Texas: 14 mi. BSE of Waco: Brazos River Basin.

ARBA: 579.00 acres

	BIBL	Y PRECIP	1141108	ABD ROD	orr (L)	nches)			RIESEL (ageo), 1	CAAD !	ATERSHE			
		Jan	Peb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Boa	Dec		Annual
1971	P Q	0.03 0.0	1.73	0.44	3.4 0.0		1.09 0.0	10.61 1.881	2.23 0.002	1.74 0.0	4.65 0.410	5.13 1.906	6.5 2.9		40.04 7.134
TA AV	P Q	1.85	2.80 0.633	2.18 0.624			3.38 0.609	1.82 0.237	2.53 0.178	3.15 0.346	2.95 0.306	3.12 0.539	2.4 0.6		34.03 6.382
	AHH	Hazi Disch	mum arge	1 Hou	ır	AND MAXIE	Haximus 6 H	Volume :	for Selec	ted Time	Interva Day	1 2 Da	ys	8	Days
	AHH	Haxi	mum arge		ır		Haximus 6 H	Volume :	for Selec	ted Time	Interv	1 2 Da	ys	8	Days
1971	AHH	Hazi Disch	mum arge Rate	1 Hou	ır	2 Hours	Haximus 6 F Date	Volume ours Vol.	for Selec	ted Time	Interva Day Vol.	2 Da Date	ys Vol.	8 Date	Vol.
1971	AHH	Hazi Disch Date	mum arge Rate	1 Hou	ır Vol.	2 Hours Date Vol.	Haximus 6 F Date 2 11-17	Volume ours Vol.	for Selec 12 Hours Date Vol	ted Time	Interva Day Vol.	2 Da Date	ys Vol.	8 Date	Vol.

NOTES: Retershed conditions: 015 partner 127 for grain corplate 24 gravel and pared conds: 35 other. *pprolimately 005 of other is Onhonograps and weed in conservation focusion, but saither citied and returned. For map of otherched, see Byfologic Data for Experimental Agricultural Matersheds in the United States, 1956-59, USDA Mino. Pub. 945, p. 42.4-6. Precipitation and runoff records began Feb. 1938; station not in operation 50.19 1943 to Mar. 1, 1949; part-year amounts not included in averages. Precipitation data from Thiessen weighted method using rain yages 5, 14 and 20. For long-time precipitation records, see Mational Weather Service records at Wac Ferms.

197	71 DA:	ILY	AIR T	ERPE										BIRZ	Er (F	ACO)	, TEX	AS	FATE	BSHE	D C			
Day	Jan		Pe		Ħa	r	Ap	T	Нa	у	Jt	ı in	Ju			g	Se		00		No		De max	
	Bar	arn	max	min	max	ELD	max	min	max	BID	Hax	BILL	max	arn	nax	410	max	mru	max	mrn	BH 2	mrn	Edx	
1	57	36	51	34	72	52	81	56	70	53	89	72	94	70	81	64	88	65	87	65	81	61	50	
2	66	38	43	34	75	43	70	39	80	58	89	72	98	73	81	66	88	67	88	66	80	57	48	
3	69	53	46	36	43	26	69	41	87	60	91	71	99	75	73	68	89	70	90	71	79	50	42	
4	79	29	71	41	47	28	73	44	85	60	88	68	98	73	82	71	92	74	88	62	69	43	41	
5	39	19	68	29	61	34	71	41	85	65	89	64	99	72	81	70	94	75	74	64	69	49	42	
6	36	19	67	34	77	43	65	43	86	70	90	66	99	73	79	71	94	73	77	63	78	49	43	
7	39	28	54	31	57	31	63	38	84	65	90	70	100	76	79	69	95	73	82	58	67	44	46	
8	32	22	37	16	56	32	71	41	88	65	94	71	102	73	85	69	94	69	82	60	61	45	65	
9	45	25	46	19	67	41	79	52	85	66	93	71	96	73	88	70	92	71	70	62	62	48	69	
10	68	29	43	23	76	39	78	51	83	68	94	73	98	75	89	74	87	73	78	48	71	43	56	
11	76	44	63	32	66	46	80	52	77	64	94	75	97	72	90	73	85	74	73	49	70	44	64	
12	80	41	75	45	81	55	84	56	74	58	95	75	97	74	91	75	89	71	82	55	76	45	61	
13	51	39	59	29	82	59	85	62	72	48	95	71	97	76	88	70	91	70	80	60	76	54	63	
14	71	51	58	34	88	61	79	55	72	53	96	73	99	76	85	72	92	70	79	56	81	60	67	
15	78	39	76	40	88	44	67	55	77	55	94	73	99	76	88	72	92	67	81	64	81	59	75	
16	53	31	73	52	75	47	81	61	82	62	92	69	100	76	90	70	91	68	86	68	78	57	69	
17	65	34	79	54	77	45	72	55	86	60	95	71	100	77	87	72	89	65	83	66	77	60	68	
18	68	41	79	53	79	58	77	60	87	65	97	69	98	75	83	72	88	66	82	72	74	55	53	
19	63	25	81	60	79	38	81	66	85	62	95	69	100	74	89	71	80	56	86	69	60	38	58	
20	64	26	76	49	60	34	82	50	80	60	91	70	100	74	90	71	67	48	82	60	54	40	69	
21	61	29	75	49	67	42	63	49	79	61	91	69	95	71	89	73	76	51	73	53	70	41	73	
22	76	44	52	28	79	54	81	58	83	68	91	71	83	68	90	71	76	59	73	54	71	48	64	
23	78	51	53	31	79	48	83	58	84	71	89	69	96	76	91	73	76	65	73	56	51	38	50	
24	62	52	63	38	68	40	77	51	89	65	95	69	96	71	92	74	74	68	70	52	49	35	64	
25	74	45	68	51	55	45	78	58	80	59	98	71	73	69	90	72	84	69	75	53	51	37	66	
26	81	43	64	55	55	38	82	65	89	65	95	72	83	68	91	70	86	72	77	54	58	41	72	
27	75	37	72	39	70	40	83	67	89	67	93	73	89	71	89	71	88	72	81	54	68	40	72	-
28	59	39	67	45	75	55	89	61	89	66	92	69	86	71	93	72	88	70	81	55	65	44	73	
29	71	49			74	53	85	64	89	71	90	77	91	70	94	70	89	69	81	64	70	39	58	
30	78	53			73	42	74	59	84	69	92	75	87	67	86	65	BB	66	81	62	58	41	74	
31	85	41			74	48			86	70			75	63	89	67			80	59			64	
	64			39	70	44	77	54		63		71		73	87	71		68		60		47	61	
AN	50.			8	57		65		72			.8	83			. 9	77			.9	57		52	
A V	57	37	62	40	69	47	77	56	83	63	89	70	94	72	94	72	88	66	81	57	68	46	61	

NOTES: Temperature data taken daily with marisus and minisus thermometers. Readings were taken at 0800 of the day shown. STA AV based on 33 yr (1939-1971) period.

1971	DA	ILY PRECI	PITATION	(inches)			RIBS	EL (MACO)	TEXAS	WATERSHEI	С	
Da y	Jan	Peb	Nar	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Now	Dec
1	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.06E	0.11E	0.0	0.0	0.0	0.0	0.30	0.00E	0.0	0.0	0.98
3	0.03E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0
5	0.0	0.11E	0.0	0.01E 0.0	0.0 0.06E	0.0	0.0	0.15 0.19E	0.0	0.16 0.11E	0.0	0.0
3	0.0	0.0	0.0	0.0								
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.012	0.0	0.46
7	0.0	0.0	0.0	0.0	0.12E	0.0	0.0	0.15	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.70
9	0.0	0.0	0.0	0.0	0.062	0.0	0.0	0.0	0.0	0.07E	0.0	2.39
10	0.0	0.0	0.0	0.0	1_40	0.0	0.0	0.0	0.0	0.0	0.0	0.04
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.49	0.07E	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
14	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.26
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.30	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	0.0
17	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.0	0.0	4.22	0.03
18	0.0	0.75	0.0	0.05E	0.0	0.0	0.0	0.0	0.0	0.20E	0.26	0.0
19	0.0	0.0	0.0	0.0	0.0	0.03E	0.0	0.0	0.02E	1.69	0.0	0.0
20	0.0	0.0	0.0	0.80	0.62	0.0	0.0	0.0	0.0	1.33	0.0	0.0
21	0.0	0.16	0.0	0.0	0.0	0.85	4.63	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.00E	0.0	0.10E	0.0	0.0	0.91	0.0	0.64	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.02B	0.0	0.0
24	0.0	0.0	0.0	0.0	0.12E	0.0	2.34	0.0	0.74	0.0	0.0	0.0
25	0.0	0.65	0.10E	0.0	0.0	0.0	1.19	0.35	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0
27	0.0	0.0	0.0	0.0	0.01E	0.06E	1.19	0.0	0.0	0.17	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.04E	0.09	0.0	0.0	0.0	0.01B	0.04
29	0.0		0.0	0 17	0.0	0.0	0.39	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.21	0.19	0.0	0.0	0.0	0.48
31	0.0		0.0		0.03E		0.0	0.05E		0.0		0.42
TAL	0.03	1.73	0.44	3.43	2.43	1.09	10.61	2.23	1.74	4.65	5.13	6.55
A AV	1.85	2.80	2.18	3,85	3, 95	3.38	1.82	2.53	3.15	2.95	3.12	2.45

BOTES: Precipitation values are Thiessen weighted average of rain gages 5, 14, and 20. Records began Peb. 1938; station not in operation July 1993 to Bar. 1, 1999; part-pear amounts not included in averages. STA AV based on 26 yr period. Estimate codes may indicate that non-significant event totals are included.

197	1	REAR DAIL	Y DISCHAR	GE (cfs)			RIES	BL (WACO)	TEXAS	WATERSHE	D C	
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.001
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	3.194
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	1.005
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.131
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	4.817
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	4.333
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	1.219
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.217
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	47.247
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	8.001
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.382
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.123
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.055
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.093
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.242
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.074
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T 0.0	0.0	0.0	25.827	0.033
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	19.749	0.017
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.209	0.012
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.891	0.035	0.008
21	0.0	0.0	0.0	0.0	0.0	0.0	8.194	0.0	0.0	0.064	0.012	0.005
22	0.0	0.0	0.0	0.0	0.0	0.0	0.046	0.0	0.0	0.009	0.020	0.006
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.363	0.008
24	0.0	0.0	0.0	0.0	0.0	0.0	18.077	0.0	0.0	0.001	0.102	0.010
25	00	0.0	0.0	0.0	0.0	0.0	10.534	0.0	0.0	0.0 T	0.028	0.007
26	0.0	0.0	0.0	0.0	0.0	0.0	0.370	0.0	0.0	0.0 T	0.013	0.005
27	0.0	0.0	0.0	0.0	0.0	0.0	7.393	0.0	0.0	0.006	0.007	0.005
28	0.0	0.0	0.0	0.0	0.0	0.0	0.562	0.0	0.0	0.001	0.004	0.005
29	0.0		0.0	0.0	0.0	0.0	0.377	0.0	0.0	0.0	0.002	0.006
30	0.0		0.0	0.0	0.0	0.0	0.171	0.0	0.0	0.0	0.001	0.059
31	0.0		0.0		0.0		0.029	0.0		0.0		0.073
AB	0.0	0.0	0.0	0.0	0.0	0.0	1.4758	0.0020	0.0		1.5457	2.302
CHES	0.0	0.0	0.0	0.0	0.0	0.0	1.881	0.002	0.0	0.410	1.906	2.93
A AV	0.424	0.633	0.624	0.980	0.895	0.609	0.237	0.178	0.346	0.306	0.539	0.61

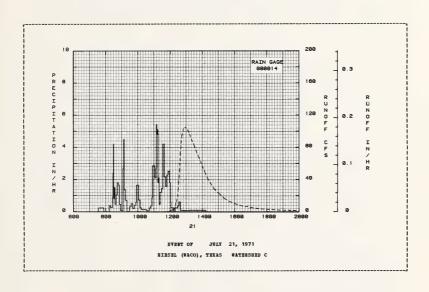
HOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.041108. Records began Feb. 1938; station not in operation July 1943 to Bar. 1, 1949; part-year amounts not included in averages. STA AV based on 26 yr period.

ENT CONDITE Rainfall (inches)	Runoff (inches)	Date		NPALL			RUNOI	PP	
	(Inches)	No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			VENT OF	JULY 21	, 1971				
G 000014			RG 0000						
0.0	0.0	7-21	733	0.0	0.0	7-21	1140	0.0	0.0
			743	0-2400	0.04		1142	0.0	0.0
			753 813	0.2400	0.08		1144	0.0	0.0
			813	0.3600	0.08		1146	0.001	0.0
CONDITIONS:	nes 12#		0.25	0.2574	0.10		1150	0.022	0.0
orghum, mat	uring;		827	0.9000	0.17		1152	0.065	0.0
nd pawed ro	ads; 5%			2.4000	0.25			0.189	0.0
rass and we	eds in		833	0.8000	0.32		1158	0.740	0.0
n reserve, grazed.	neither		835	1.5000	0.41		1200	0.978	0.0001
-			839	0.4500	0.44		1202	1.384	0.0002
			843	1.0500	0.51				0.0003
			847 851	1-6500			1206	2.156	0.0004
			855 905	0.4500	0.77		1210 1212		0.0006
			907	2.7000	0.87		1214	2.788	0.0008
				4.4999	1.02		1216	3.700	0.0010
			919	0.7000	1.18		1220	7.499	0.0016
			935	0-3000	1. 18		1224	10.852	0.0021
			941	0.5000	1.26		1226	16-065	0.0036
			947		1.28		1228	19.114	0.0047
			953	0-4000	1.32		1230	27.705	0.0061
			955 959	1-6500	1.34			45-969	0.0079
			1003	1.6500	1.56		1236	54.473	0.0131
			1008	0.7200	1.62		1238	72.115	0.0169
			1013	0.2400	1.64		1240	78.802	0.0209
			1023	0.1200	1.66		1242	88.276	0.0259
			1033	0.1200	1.69		1244	94.168	0.0308
			1048	0.2400	1.71		1248	100.024	0.0419
			1053	0.3600	1.74		1250	102.804	0.0480
			1055	0.9000	1.77		1255	104.968	0.0626
				2.8500	2.15			103.799	0.0780
			1107	2.1000	2. 29		1310	98.736	0.1065
			1109	2.7000	2.38		1320	89.760	0.1336
				5-4001	2.56		1330	82-243	0.1583
				4.8000	2.72			73.007	0.1801 0.2000
			1117	1.8000	2.89		1400	56.560	0.2176
			1119	2.1000	3.02		1410	48,558	0.2324
			1123	0.4500	3.05		1420	41.432	0.2453
			1128	1.2000	3.15		1430	35.565	0.2564
			1138	4.2000	3.62		1450	26.006	0.2737
			1143	2.1600	3.80		1500	23.330	0.2808
			1148	1.5600	3.93		1510	19.975	0.2869
								17.167	0.2922
			1158	2.5200 1.8000	4.33		1530 1540	14.742	0.2968
			1202	0.6000			1550	11 323	0.3042
			1213	0.2400	4.48		1600	10.013	0.3073
			1218	0.0	4.48		1610	8.900	0.3100
			1223	0.2400	4.50		1630	6.975	0.3124 0.3145
			1233	0.3600	4.55		1640	6.189	0.3163
			1238	0.6000	4-60		1650	6.777	0.3182
			1253		4.62				0.3199
			1303	0.0600	4.63		1710	3.812	0.3213 0.3237
			1333				1750		0.3257
			1333	0.0900	4.67		1810	2.667	0.3274
							1830	2.288	0.3288
								1.618	0.3300
	, all class orghum, mat nd paved ro rox. 90% of rass and we	COBDITIONS: , all classes: 12%, , all classes: 12%, , all classes: 12%, , and pawed codes; 5% TOX. 90% of other TARS and weeds in Reserve, neither JINEAL.	, all classes; 12% orghum, maturing; nd pawed roads; 5% rox. 90% of other rass and weeds in n reserve, neither	COUDITIONS: COUDITIONS: All classess; 123 All classess; 125 All classess; 127 All classess; 128 B25 COL 90% of other B30 B33 B43 B43 B51 B55 B65 B65 B77 B78 B78 B78 B78 B78 B78 B7	COBDITIONS: CABLICASSE: 12% All classes: 12% Bay 20, 0, 2571 Bay 20, 0, 2571 Bay 20, 0, 2571 Bay 20, 0, 2571 Bay 30, 0, 5000 Bay 31, 0, 5000 Bay 32, 0, 5000 Bay 3	COBDITIONS: # 18	COBDITIONS:	COBDITIONS: # 316	COBDITIONS: All clases: 12%

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.001713.

971 SEL	ECTED EUROI	FF BVBBI					eaco,, 1	BXAS WAT		
ANTECED	ERT CORDIT				INFALL			RUMOP		
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT O	p J01	LT 21, 197	1 (CONTIN	(UED)			
							7-21	1940	1.331	0.3323
								2010	1.065	0.3333
								2040	0.866	0.3341
								2110	0.669	0.3348
								2140	0.542	0.3353
								2210	0.467	0.3357
								2240	0.393	0.3361
								2310	0.343	0.3364
								2340	0.300	0.3367
								2400	0.280	0.3369

NOTES: To convert runoff in CPS to IN/HR, multiply by 0.001713.



RIESEL (WACO), TEXAS WATERSHED D

LOCATION: McLennan Co., Texas; 14 mi. ESE of Waco; Brazos River Basin.

AREA: 1110.00 acres 1.73 sq. miles

		Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Hov	Dec	A	nnual
	P	0.03	1.62	0.44	3.44	2.47	1.00	10.83	2.14	1.71	4.59	5.21			0.07
1971	Q	0.0	0.0	0.0	0.018	0.007	0.0	2.110	0.002	0.0	0.422	2.252	2 3.14	9	7.959
TA AV	P	1-93	2.78	2.25	3.84	3.87	3.43	1.84	2.41	3.09	2.82	3.03	2.45	3	3.71
	0	0.456	0.617	0.653	1.024	0.991	0.615	0.252	0.196	0.331	0.312	0.526	6 0.59	5	6.570
	ANHU			CHARGE (in	/hr) AND								INTERVA	LS	
	ANNU	Max	inun				axisus	Volume f	or Select	ed Time	Interva	1			
	AHHU	Max	inum harge	T Hour Date Vol	2 1		Saxinum 6 Ho	Volume fours	or Select	ed Time	Interva	1 2 Da	 .ys		
1971		Max Disc Date	inum arge Rate	1 Hour	2 I . Date	Hours Vol.	Maximum 6 Ho Date	Volume fours	or Selective Follows	ted Time 1 Date	Interva Day Vol.	l 2 Da Date	ys Vol.	8 p. Date	₹ol.
1971		Max Disc Date	inum arge Rate	1 Hour Date Vol	2 I Date	Hours Vol.	Saximum 6 Ho Date	Volume fours	or Selective Hours ate Vol.	ted Time 1 Date	Interva Day Vol.	l 2 Da Date	ys Vol.	8 p. Date	Vol.
1971		Date	inum arge Rate	1 Hour Date Vol	2 F Date	Hours Vol. 1.519	S POR PE	Volume fours Vol. D 2.079 11	or Selective Hours ate Vol.	ted Time 1 Date	Interva Day Vol. 2.311	l 2 Da Date	ys Vol. 2.590 1	8 p. Date	¥01.

LOTES: Received conditions: 69% partner; 87 cotton; 13 row grain corghus; 25 grain and pared roads; 83 other, and the condition of the conditi

1971	DA	ILY PRECI	PITATION	(inches)			RIES	EL (WACO),	TEXAS	WATERSHED	D	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.05E	0.13E	0.0	0.0	0.0	0.0	0.31	0.01E	0.0	0.0	1.00
3	0.03E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0	0.0
4	0.0	0.11E	0.0	0.02E	0.0	0.0	0.0	0.15	0.0	0.18	0.0	0.0
5	0.0	0.0	0.0	0.0	0.04B	0.0	0.0	0.18E	0.0	0.11E	0.0	0.68
6	0_0	C . O	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01E	0.0	0.46
7	0.0	0.0	0.0	0.0	0.09E	0_0	0.0	0.14	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.69
9	0.0	0.0	0.0	0.0	0.07B	0.0	0.0	0.0	0.0	0.088	0.0	2.48
10	0.0	0.0	0.0	0.0	1.43	0.0	0.0	0.0	0.0	0.0	0.0	0.03
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 B	0.0	0.0	0.0
12	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.53	0.04E	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.27
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2, 26	6.0	0.0	0.0	0.0	0.0	0.08E	0.0	0.0
17	0_0	0.0	0.0	0-12E	0.0	0.0	0.0	0.0	0.0	0.0	4.35	0.031
18	0.0	0.66	0.0	0.05E	0.0	0.0	0.0	0.0	0.0	0.18B	0.26	0.0
19	0.0	0.0	0.0	0.0	0.0	0.03E	0.0	0.0	0.022	1.52	0.0	0.0
20	0.0	0.0	0.0	0.82	0.65	0.0	0.0	0.0	0.0	1.45	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	0.74	4.75	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.00E	0.0	0.09E	0.0	0.0	0.88	0.0	0.60	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0-04E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.13B	0.0	2.34	0.0	0.77	0.0	0.0	0.0
25	0.0	0.65	0.10E	0.0	0.0	0.0	1.18	0.27	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0
27	0.0	0.0	0.0	0.0	0.02E	0.10E	1.25	0.0	0.0	0.18	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.04E	0.08	0.0	0.0	0.0	0.01B	0.05
29	0.0		0.0	0.17	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.23	0.20	0.0	0.0	0.0	0.41
31	0.0		0.0		0.04E		0.0	0-03E		0.0		0.41
TAL	0.03	1.62	0.44	3.44	2.47	1.00	10.83	2.14	1.71	8.59	5-21	6.58
A AV	1.93	2.78	2.25	3.84	3.87	3.43	1.84	2.41	3.09	2.82	3.03	2.45

NOTES: For daily air temperatures in the vicinity, see table for Natershed C, p. 42-002-1. Precipitation values are Thieszee weighted average of rain gages 5, 14, 20, and 264. Records began bee. 1937; station not in operation July 1943 to Nar. 1, 1999; part-year asounts not included in averages. STA NV based on 27 yr period. Estimate codes may indicate that non-significant event totals are included.

197	71	MEAN DAIL	Y DISCHAR	GE (cfs)			RIES	EL (WACO)	, TEXAS	WATERSHE	D D	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	4.08
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	1.34
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.20
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	8.14
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	7.83
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0_0	1.99
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.42
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107.11
10	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	13. 79
11	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.61
12	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.00	0.0	0.0	0.0	0.18
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.26
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.4
16	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10
17	0.0	0.0	0_0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	57.07	0.04
18	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	46.86	0.02
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.35	0.02
20	0.0	0.0	0.0	0.35	0.06	0.0	0.0	0.0	0.0	19.55	0.06	0.01
21	0.0	0.0	0.0	0.00	0.0	0.0	22.59	0.0	0.0	0.10	0.02	0.00
22	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.01	0.02	0.00
23	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.00	0.41	0.00
24	0.0	0.0	0.0	0.0	0.0	0.0	35.70	0.0	0.0	0.0	0.14	0.00
25	0.0	0.0	0.0	0.0	0.0	0.0	20.83	0.0	0.0	0.0	0.05	0.00
26	0.0	0.0	0.0	0.0	0.0	0.0	0.65	0.0	0.0	0.0	0.02	0.00
27	0.0	0.0	0.0	0.0	0.0	0.0	15.46	0.0	0.0	0.0	0.01	0.00
28	0.0	0.0	0.0	0.0	0.0	0.0	1.32	0.0	0.0	0.0	0.00	0.00
29	0.0		0.0	0.0	0.0	0.0	1.31	0.0	0.0	0.0	0.00	0.00
30	0.0		0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0 T	0.10
31	0.0		0.0		0.0		0.06	0.0		0.0		0.08
AB	0.0	0.0	0.0	0.0286	0.0098	0.0	3.1741	0.0028	0.0	0.6345	3.5006	4.736
CHES	0.0	0.0	0.0	0.018	0.007	0.0	2.110	0.002	0.0	0.422	2.252	3.14
A AV	0.456	0.617	0.653	1.024	0.991	0.615	0.252	0.196	0.331	0.312	0.526	0.59

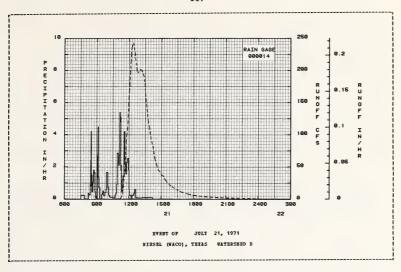
BOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.021443. Becords began Dec. 1937; station not in operation July 1943 to Mar. 1, 1949; part-year amounts not included in averages. STA AV based on 27 yr period.

ARTECEDENT CONDI				NPALL			RUNOF	P	
Date Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
Mo-Day (inches)	(inches)			(in/hr)					(inches)
		E	VENT OF	JULY 21	, 1971				
RG 000014			RG 0000	114					
7-21 0.0	0.0	7-21	733	0.0	0.0	7-21	1048	0.0	0.0
			743	0.2400	0.04		1050	0.0	0.0
			753	0.2400	0.08		1052	0.001	0.0
			813	0.0	0.08		1054	0.004	0.0
			818	0.3600	0.11		1056	0.023	0.0
TERSHED CONDITIONS			- 10	0.000				0.025	
pasture, all class			825	0.2571	0.14		1058	0.054	0.0
cotton, blooming:			827	0.9000	0.17		1100	0.091	0.0
in sorghum, maturi			829	2-4000	0.25		1102	0.129	0.0
wel and paved roads			830	4.1998	0.32		1104	0.185	0.0
er. Approx. 90% of	fother		833	0.8000	0.36		1106	0.231	0.0
Johnsongrass and we	eeds in								
servation reserve,			835	1.5000	0.41		1108	0.331	0.0
led nor grazed.			839	0.4500	0.44		1110	0.431	0.0
-			843	1.0500	0.51		1112	0.622	0.0
			847	1.8000	0.63		1114	1.192	0.0
			851	1.6500	0.74		1116	1.749	0.0
			855	0_4500	0.77		1118	2.640	0.0001
			905	0.0600	0.78		1120	3.761	0.0002
			907	2.7000	0.87		1122	5.096	0.0003
			909	4.4999	1.02		1124	7.712	0.0005
			913	1.3500	1.11		1126	13.550	0.0008
			919	0.7000	1.18		1128	18.841	0.0013
			929	0.0	1.18		1130	22.622	0.0020
			935	0.3000	1.21		1132	27.319	0.0027
			941	0.5000	1.26		1134	35.000	0.0037
			947	0.2000	1.28		1136	40.000	0.0047
			953	0.4000	1.32		1138	44.000	0.0060
			955	0.6000	1.34		1140	47.000	0.0073
			959	1.6500	1.45		1142	58.000	0.0089
			1003	1.6500	1.56		1144	78.000	0.0108
			1008	0.7200	1.62		1146	89.000	0.0134

NOTES: To convert runoff in CPS to IM/HR, multiply by 0.000893.

SELEC	TED RUNOP	P EVEST						EXAS WAS		
ARTECEDER	T COMPTT	TONS		RAINI				RUHOR	P.	
Date R	ainfall	Runoff	Date	Time I	Intensity	Acc.	Date	Time	Rate (cfs)	Acc.
	inches)	(inches)		of Day	(in/hr)	(inches)		of Day	(cfs)	(inches)
			EVENT	OF JULY	21, 1971	(CORTIN	UED)			
			7-21	1013	0.2400	1.64	7-21	1100	99.000	0.0160
			1-21	1013	0.1200	1.66	7-21			
				1033	0.1200	1.68		1152	109.000	0.0192
				1043	0.0600	1.68		1154	119.000	0.0258
				1048	0.2400	1.71		1156	133.000	0.0293
				1053	0.3600	1.74		1158	151.000	0.0338
				1055 1059	0.9000 2.8500	1.77		1200	161.000	0.0387
				1103	2.8500	1.96 2.15		1202 1204	168.000 178.000	0.0433
				1107	2.1000	2.29			190.000	0.0538
				1109	2.7000	2.38		1208	200.000	0.0599
				1111	5-4001	2.56		1210	218.000	0.0599
				1113	4.8000	2.72		1212		
				1115	5.0999	2.89		1214	233.000	0.0791
				1117	1.8000	2.95		1219	240.000	0.0973
				1119	2,1000	3.02		1224	243.000	0.1150
				1123	0-4500	3.05		1234		0.1500
				1128	1.2000	3.15		1244		0.1809
				1133	1.4400	3.27 3.62		1249	196.000	0.1960
				1138	4.2000	3.62		1254	198.000	0.2104
				4442	0.4500	2 00				
				1143	2.1600 1.5600	3.80		1304		0.2404
				1153	2.2800	4.12		1324	190.000	0.2697
				1158	2-5200	4.33		1334	155.000	0.3247
				1201	1.8000	4.42			143.000	0.3356
				1203	0.6000	4.44		1344	128.000	0.3455
				1213	0.2400	4.48		1349	118.000	0.3549
				1218	0.0	4.48		1354	108.000	0.3632
				1223 1228	0.2400	4.50 4.52		1404	93.000 81.000	0.3783
				1220	0.2400	4.52		1414	01.000	0.3911
				1233	0.3600	4.55		1424	63.000	0.4019
				1238	0.6000	4.60		1434	53.000	0.4106
				1253	0.0800	4.62		1444		0.4178
				1303	0.0600	4.63		1454	42.000	0.4243
				1313	0.0600	4.64		1504	37.000	0.4302
				1333	0.0900	4.67		1514	35.000	0 0255
				1413	0.0900	4.67		1524	29.321	0.4355
				1413		4473		1534	25,779	0.4444
								1544	22.896	0.4480
								1554	20.463	0.4513
								1604		0.4542
								1614 1624	16.655	0.4568
								1624	14.585	0.4591
								1644	12.017	0.4631
										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
								1704	9.862	0.4664
								1724	8.136	0.4691
								1744	6.757	0.4713
								1804	5.618 4.431	0.4732
								1834	4.431	0.4/54
								1904	3.551	0.4772
								1934	2.820	0.4786
								2004	2.315	0.4797
								2034	1.951	0.4807
								2104	1.638	0.4815
								2420	4 272	0 8000
								2134	1.372	0.4822
								2234		0.4828
								2304	0.829	0.4837

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.000893.



RIESEL (WACO), TEXAS WATERSHED G

LOCATION: McLennan and Falls Counties, Texas; 16 mi. S.E. of Waco; Brazos Biver Basin.

AREA: 4380.00 acres 6.84 sq. miles

80	NTHLY	PRECIPI	TATION	AND RU	NOPP (inches	3)			RIES	EL (WA	CO) , T	EXAS W	ATERSEE	D G		
		Jan	Peb	Bar	Ap	r	Hay	Jun	Jul	Àυ	ıg !	Sep	0ct	Nov	Dec	1	nnual
1971	P Q	0.02 0.0	1.61	0.40		27 007	2.46 0.0	0.81	11.36			1.88	4.38 0.226	5.20 2.206	6.8 3.6		0.43 8.425
STA AV	P Q	2.09 0.655	2.92 0.776	2.23 0.72		59 700	3.43 0.702	4.12 0.929	2.13 0.29			3.29 0.320	2.97 0.196	3.10 0.596	2.7 0.6		6.755
	ANNU			CHARGE	(in/hr) AND							SELECTE		INTERV	ALS	
		Maxim Discha Date I	irge	1 Bo Date			Hours Vol.	6 B		12 B	elected lours Vol.	1	Interva Day Vol.	2 Da	ys Vol.		oays Vol.
1971		11-18 (.455	11-18	0.438	11-18	0.825	11-17	1.801	11-17	2.079	12- 9	2.521	12- 8	2.956	12~ 2	3.516
						1	SAXINUES	FOR P	ERIOD O	F BECO	RD						
		3-29 (1965	.950	3-29 1965	0.910	3-29 1965	1.720	3-29 1965	3.390	3~29 1965	3.940	3-29 1965		3-29 1965	4.740	11-22	4.820

SOTES: Watershed conditions: 42% pasture: 2% tilled, but not planted; 10% cotton; 3% corn; 6% fall planted small grain, largely oats; 11% sorghum: 2% gravel and paved roads; 24% other. Approximately 90% of other is Johnsongrams and weeds in conservation reserve, but neither tilled nor grazed. For map of watershed, Data for Data for an experience of the state of the s

1971	I DA	ILY PRECI	PITATION	(inches)			RIESI	EL (WACO),	TEXAS	WATERSHED	G	
Day	Jan	Peb	Bar	Apr	May	Jun	Jul	Aug	Sep	0ct	NoA	Dec
1	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.04E	0.10E	0.0	0.0	0.0	0.0	0.34	0.01E	0.0	0.0	1.00
3	0.02E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.0	0.0
4	0.0	0.12E	0.0	0.01E	0.0	0.0	0.0	0.35E	0.0	0.20	0.0	0.0
5	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.17E	0.0	0.08E	0.0	0.69
6	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.0	0.0	0.01E	0.0	0.48
7	0.0	0.0	0.0	0.0	0.08E	0.0	0.0	0.17	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00E	0.03E	0.00E	0.0	0.66
9	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.09E	0.0	2.76
10	0.0	0.0	0.0	0.0	1.32	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.20E	0.0	0.0	0.0	0.0	0.60	0.03E	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25E	0.0	0.0	0.0	0.22
15	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.04	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	0.0
17	0.0	0.0	0.0	0.12E	0.0	0.0	0.0	0.0	0.0	0.0	4.42	0.03
18	0.0	0-45	0.0	0.01E	0.0	0.0	0.0	0.0	0.0	0.19E	0.26	0.0
19	0.0	0.0	0.0	0.0	0.0	0.03E	0.0	0.0	0.02E	1.20	0.0	0.0
20	0.0	0.0	0.0	0.86	0.68	0.0	0.0	0.0	0.0	1.58	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	0.37E	4.89	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.01E	0.0	0.12E	0.0	0.0	0.86	0.0	0.51	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.03E	0.0	0.0
24	0_0	0.0	0.0	0.0	0.13E	0.0	2.11	0.0	0.93	0.0	0.0	0.0
25	0.0	0.84	0.10E	0.0	0.0	0.0	1,33	0.15E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
27	0.0	0.0	0.0	0.0	0.03E	0.15E	1.39	0.0	0.0	0.15	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.04E	0.31	0.0	0.0	0.0	0.00E	0.04
29	0.0		0.0	0.21	0.0	0.0	0.68	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.24	0.17	0.0	0.0	0.0	0.41
31	0.0		0.0		0.04E		0.0	0.038		0.0		0.42
OTAL	0.02	1.61	0.40	3.27	2.46	0.81	11.36	2.23	1.88	4.38	5.20	6.80
TA AV	2.09	2.92	2.23	3.59	3.43	4.12	2.13	2.75	3.29	2.97	3.10	2.78

norms: For daily air temperatures in the vicinity, see table for Satershed C, p. 42-002-1. Frecipitation values are Thiesmen weighted average of rain ogges 5, 14, 70, 264, 304, 304, 504, 564, 654, 70, 704, 804, and 89. Records began Jan. 1938; station not in operation July 1943 to July 1, 1957; part-year amounts not included in averages. STA AV based on 19 yr period. Estimate codes may indicate that non-mignificant event totals event codes as indicate that non-mignificant event totals event form.

197	1	HEAN DAIL	Y DISCHAR	GE (cfs)			RIESI	EL (WACO)	TEXAS	WATERSHI	D G	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.02
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	11.07
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	6.71
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.02	0.0	0.0	0.0	1.09
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.70	0.0	0.0	0.0	36.14
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.0	0.0	38.23
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.0	12.34
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	2.97
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	460.26
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	84.23
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.09
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	1.48
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.74
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	1.28
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	2.72
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.90
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	73,77	0.50
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	326.68	0.30
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.60	0.24
20	0.0	0.0	0.0	1.15	0.0	0.0	0.0	0.0	0.0	40.84	0.40	0.21
21	0.0	0.0	0.0	0.18	0.0	0.0	90.93	0.0	0.0	0.60	0.12	0.15
22	0.0	0.0	0.0	0.00	0.0	0.0	1.60	0.0	0.0	0.05	0.19	0.11
23	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.00	1.28	0.10
24	0.0	0.0	0.0	0.0	0.0	0.0	81.73	0.0	0.0	0.0	0.47	0.11
25	0.0	0.0	0.0	0.0	0.0	0.0	98.83	0.0	0.0	0.0	0.17	0.12
26	0.0	0.0	0.0	0.0	0.0	0.0	4.84	0.0	0.0	0.0	0.08	0.12
27	0.0	0.0	0.0	0.0	0.0	0.0	62.99	0.0	0.0	0.01	0.04	0.12
28	0.0	0.0	0.0	0.0	0.0	0.0	24.07	0.0	0.0	0.00	0.03	0.12
29	0.0		0.0	0.0	0.0	0.0	45.26	0.0	0.0	0.0	0.03	0.10
30 31	0.0		0.0	0.0	0.0	0.0	8.50 1.13	0.0	0.0	0.0	0.02	4.07 0.92
BEAR	0.0	0.0	0.0	0.045	0.0	0.0	13.544	0.334	0.0	1.339	13.530	21.661
INCHES STA AV	0.0 0.655	0.0	0.0 0.723	0.007	0.0	0.0 0.929	2.282 0.290	0.056	0.0	0.226		3.649
STA AV			0.723	0.700	0. 702	0.929	0.290	0.176	0.320	0.196	0.596	0.692

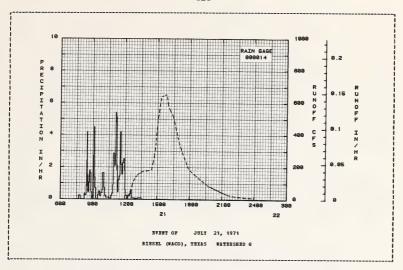
NOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.005434. Records began Jan. 1938; station not in operation July 1943 to July 1, 1957; part-year amounts not included in averages. STA AV based on 19 yr period.

Bo-Day (inches) RG 00001a 7-21 0.04 WATERSHED CONDITIONS: 12% pasture, all classe: 12% pasture, all classe: 12% tilled, but not plant to 10 inches high; 2% groupland, 10% coloning; 2% gravel and 1000ming; 2% gravel and 10% coloning; 2% coloning; 2% gravel and 10% coloning; 2% gra	Runoff (inches) 0.0 0.0 s; tted; all rvested ravel cotton, pawed ox. 90% s and	Mo-Day	Time of Day	JULY 21	(inches) , 1971 0.0 0.04 0.07 0.10 0.13 0.21 0.28 0.32 0.37 0.40	No-Day	of Day	Rate (cfs)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Bo-Day (inches) RG 00001a 7-21 0.04 RATEBSHED CONDITIONS: 82% pasture, all classe: 82% pasture, all classe: 82% tilled, but not plant 10 10 inches high; 2% grouplang, maturing; 10% oblowing; 2% gravel and bloowing; 2% gravel and of other inches of conservation; receipt of other inches of the conservation; and the conservation of conservation of conservation; and the conservation of c	0.0 0.0 s; tted; all cotton, pawed cox. 90% s and	Mo-Day B	Of Day WENT OF BG 0000 743 753 813 818 825 827 829 830 833 835 839 843	JULY 21 014 0.0 0.2900 0.3600 0.2571 0.9000 2.4000 4.1998 0.8000 0.5500	(inches) , 1971 0.0 0.04 0.07 0.10 0.13 0.21 0.28 0.32 0.37 0.40	Ho-Day	1100 1105 1110 1115 1120 1125 1130 1135 1140 1145	0.0 0.0 0.0 0.001 0.002 0.005 0.008 0.014 0.024 0.036	(inches) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
RG 000018 7-21 0.04 WATERSHED CONDITIONS: 12% pasture, all classe: 1% tilled, but not plant 1% cora, saturing; 6% fit to 10 inches high; 2% grogsham, maturing; 10% coloming; 2% gravel and coded; 2% other. Approveds in conservation freeds in conservatio	0.0 s; ted; all urvested ravel cotton, pawed ox. 90% s and	В	REBT OF BG 0000 743 753 813 818 825 827 829 830 833 835 839 843	JULY 21 0.0 0.2400 0.0 0.3600 0.2571 0.9000 2.44000 4.1998 0.8000 1.5000	0.0 0.04 0.04 0.07 0.10 0.13 0.21 0.28 0.32 0.37		1100 1105 1110 1115 1120 1125 1130 1135 1140 1145	0.0 0.0 0.0 0.001 0.002 0.005 0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
7-21 0.04	s; ted; all rvested cotton, paved cox. 90% s and		86 0000 743 753 813 818 825 827 829 830 833 835 839	0.0 0.2400 0.0 0.3600 0.2571 0.9000 2.4000 4.1998 0.8000 1.5000	0.0 0.04 0.04 0.07 0.10 0.13 0.21 0.28 0.32 0.37	7-21	1105 1110 1115 1120 1125 1130 1135 1140 1145	0.0 0.0 0.001 0.002 0.005 0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
7-21 0.04 WATERSHED CONDITIONS: 82% pasture, all classes 2% tilled, but not plant 3% corm, saturing; 6% fiplanted small grain, has to 10 inches high; 2% groupland, saturing; 10% (a) Looksing; 2% gravel and of other is Johnsongrass weeds in conservation r.	s; ted; all rvested cotton, paved cox. 90% s and	7-21	743 753 813 618 825 827 829 830 833 835 839	0.0 0.2400 0.0 0.3600 0.2571 0.9000 2.4000 4.1998 0.8000 1.5000	0.04 0.04 0.07 0.10 0.13 0.21 0.28 0.32 0.37	7-21	1105 1110 1115 1120 1125 1130 1135 1140 1145	0.0 0.0 0.001 0.002 0.005 0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
WATERSHED CONDITIONS: 12% pasture, all classe: 3% tilled, but not plant 5% corm, saturing; 6% related small grain, has one of the small grain, has one of the small grain, has olooming; 2% gravel and conds; 24% other. Appr fother is Johnsongrass weeds in conservation r.	s; ted; all rvested cotton, paved cox. 90% s and	7-21	753 813 818 825 827 829 830 833 835	0_2400 0_0 0_3600 0_2571 0_9000 2_4000 4_1998 0_8000 1_5000	0.04 0.04 0.07 0.10 0.13 0.21 0.28 0.32 0.37	7-21	1105 1110 1115 1120 1125 1130 1135 1140 1145	0.0 0.0 0.001 0.002 0.005 0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
A2% pasture, all classes. 2% tilled, but not plant 3% corn, maturing; 6% fe planted small grain, has to 10 inches high; 2% gs sorghum, maturing; 10% oblooming; 2% gravel and roads; 24% other. Approof other is Johnsongraue weeds in conservation re	ted; all rvested ravel cotton, paved ox. 90%		813 -818 825 827 829 830 833 835	0.0 0.3600 0.2571 0.9000 2.4000 4.1998 0.8000 1.5000	0.04 0.07 0.10 0.13 0.21 0.28 0.32 0.37		1110 1115 1120 1125 1130 1135 1140 1145	0.0 0.001 0.002 0.005 0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
A2% pasture, all classes. 2% tilled, but not plant 3% corn, maturing; 6% fe planted small grain, has to 10 inches high; 2% gs sorghum, maturing; 10% oblooming; 2% gravel and roads; 24% other. Approof other is Johnsongraue weeds in conservation re	ted; all rvested ravel cotton, paved ox. 90%		818 825 827 829 830 833 835 839	0.3600 0.2571 0.9000 2.4000 4.1998 0.8000 1.5000	0.07 0.10 0.13 0.21 0.28 0.32 0.37		1115 1120 1125 1130 1135 1140 1145	0.001 0.002 0.005 0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0 0.0 0.0
A2% pasture, all classes. 2% tilled, but not plant 3% corn, maturing; 6% fe planted small grain, has to 10 inches high; 2% gs sorghum, maturing; 10% oblooming; 2% gravel and roads; 24% other. Approof other is Johnsongraue weeds in conservation re	ted; all rvested ravel cotton, paved ox. 90%		825 827 829 830 833 835 839	0.2571 0.9000 2.4000 4.1998 0.8000 1.5000	0.10 0.13 0.21 0.28 0.32 0.37		1120 1125 1130 1135 1140 1145	0.002 0.005 0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0 0.0
A2% pasture, all classes. 2% tilled, but not plant 3% corn, maturing; 6% fe planted small grain, has to 10 inches high; 2% gs sorghum, maturing; 10% oblooming; 2% gravel and roads; 24% other. Approof other is Johnsongraue weeds in conservation re	ted; all rvested ravel cotton, paved ox. 90%		827 829 830 833 835	0.9000 2.4000 4.1998 0.8000 1.5000	0.13 0.21 0.28 0.32 0.37		1125 1130 1135 1140 1145	0.005 0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0
A2% pasture, all classes. 2% tilled, but not plant 3% corn, maturing; 6% feplanted small grain, has to 10 inches high; 2% gs sorghum, maturing; 10% oblooming; 2% gravel and roads; 24% other. Approof other is Johnsongraue weeds in conservation re	ted; all rvested ravel cotton, paved ox. 90%		829 830 833 835 839 843	2.4000 4.1998 0.8000 1.5000	0.21 0.28 0.32 0.37		1130 1135 1140 1145	0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0
2% tilled, but not plant 3% corn, maturing; 6% fiplanted small grain, har to 10 inches high; 2% gravel and to 2% other, maturing; 10% coblooming; 2% gravel and roads; 24% other. Approof other is Johnsongratured to seeds in conservation re	ted; all rvested ravel cotton, paved ox. 90%		829 830 833 835 839 843	2.4000 4.1998 0.8000 1.5000	0.21 0.28 0.32 0.37		1130 1135 1140 1145	0.008 0.014 0.024 0.036	0.0 0.0 0.0 0.0
3% corn, maturing; 6% fit planted small grain, has to 10 inches high; 2% gasorghum, maturing; 10% c blooming; 2% gravel and roads; 24% other. Approof other is Johnsongram weeds in conservation re	all rvested ravel cotton, paved ox. 90%		830 833 835 839 843	4.1998 0.8000 1.5000	0.28 0.32 0.37		1135 1140 1145	0.014 0.024 0.036	0.0 0.0 0.0
planted small grain, har to 10 inches high; 2% gr sorghum, maturing; 10% of blooming; 2% gravel and groads; 24% other. Appro of other is Johnsongrass weeds in conservation re	rvested ravel cotton, l paved cox. 90%		833 835 839 843	0.8000 1.5000 0.4500	0.32 0.37 0.40		1140 1145	0.024 0.036	0.0
to 10 inches high; 2% grasorghum, maturing; 10% oblooming; 2% gravel and roads; 24% other. Approof other is Johnsongrass weeds in conservation re	cotton, l paved ox. 90%		835 839 843	1.5000 0.4500	0.37		1145	0.036	0.0
to 10 inches high; 2% grasorghum, maturing; 10% oblooming; 2% gravel and roads; 24% other. Approof other is Johnsongrass weeds in conservation re	cotton, l paved ox. 90%		839 843	0.4500	0.40				
blooming; 2% gravel and roads; 24% other. Appro of other is Johnsongrass weeds in conservation re	paved ox. 90% is and		843				1150	0.068	
roads; 24% other. Appro of other is Johnsongrass weeds in conservation re	ox. 90% is and		843				1150	0.068	
roads; 24% other. Appro of other is Johnsongrass weeds in conservation re	ox. 90% is and			1-0500					0.0
weeds in conservation re	s and				0.47		1155	0.143	0.0
weeds in conservation re			847	1.8000	0.59		1200	0.273	0.0
meither tilled mor graze	eserve,		851	1.6500	0.70		1205	1.213	0.0
	ed.		855	0.4500	0.73		1210	6.886	0.0001
			905	0.0600	0.74		1215	12,785	0.0003
			907	2.7000			1220	18.513	0.0006
			909	4.4999			1225	31, 199	0.0011
			913	1, 3500	1-07		1230	48.000	0.0019
			919	0.7000	1. 14		1235	61.000	0.0029
			929	0.0	1. 19		1240	80.000	0.0042
			935	0.3000	1. 17		1245	101.000	0.0060
			941	0.5000	1-22		1250	115.000	0.0080
			947	0.2000	1.24		1255	128.000	0.0103
			953	0.4000	1.28		1300	139.000	0.0129
			955	0_6000	1.30		1305	145.000	0.0155
			959	1-6500	1.41		1310	151.000	0.0182
			1003	1.6500	1.52		1315	157.000	0.0212
			1008	0.7200	1.58		1320	161.000	0.0242
			1013	0.2400	1.60		1325	161.000	0.0272

HOTES: To convert runoff in CFS to IM/HE, multiply by 0.0002264.

SELE	CTED RUNO	L DADET				niaser ((=200), 1.	EXAS WAS	CEASURD O	
ANTECEDE	BT COMDIS	CIONS		RAIN	PALL			RUNOR	PP	
	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time :	<pre>[ntensity (in/hr)</pre>	Acc. (inches)	Date Mo-Day	Time of Day	Eate (cfs)	Acc.
			EVENT (OF JULY	21, 197	1 (CONTIN	(UED)			
			7-21	1023	0.1200	1.62	7-21	1330	168.000	0.0304
				1033	0.1200	1.64		1345	175.000	0.0401
				1043	0.0600	1.65		1400	176.000	0.0500
				1053	0.2400	1.67		1415 1430	180.000	0.0601
				1055		4 77		****		
				1055	0.9000 2.8500	1.73 1.92		1435	219.000	0.0743
				1103	2.8500	2.11		1445	285.000	0.0837
				1107	2.1000	2.25		1450	322.000	0.0893
				1109	2.7000	2.34		1455	402.000	0.0960
				1111	5-4001	2.52		1500	457.999	0.1044
				1113	4.8000	2.68		1505	512.000	0.1134
				1115 1117	5.0999 1.8000	2.85		1510 1515	548.000 598.000	0.1232 0.1343
				1119	2. 1000	2.98		1520	628.000	0.1343
				1123	0.4500	3.01		1525	640.000	0.1575
				1128	1,2000	3.11		1530	644.000	0-1700
				1133	1.4400	3.23		1540	649.000	0.1940
				1138	4-2000 2-1600	3.58		1550 1600	650.000 580.000	0.2187
				1148 1153	1.5600 2.2800	3.89		1615 1625	540.000	0.2738
				1153 1158	2.2800	4.08		1625	519.999 480.000	0.2935 0.3125
				1201	1.8000	4.38		1645	430.000	0.3298
				1203	0.6000	4.40		1700	356.000	0.3520
				1213	0.2400	4.44		1715	304.000	0.3707
				1218	0.0	4.44		1730	260.000	0.3867
				1223 1228	0.2400	4.46		1745 1755	218.000 190.000	0.4002
				1233	0.3600	4.51		1805	176.000	0.4148
				1238	0.6000	4.56		1815	167.000	0.4213
				1253	0.0800	4.58		1830	151.000	0.4303
				1303	0.0600	4.59		1840	143.000	0.4358
				1313 1333	0.0600	4.60 4.63		1850 1900	133.000 123.000	0.4410
								1910	114.000	0.4503
								1920	105.000	0.4503
								1930	96.000	0.4583
								1935	92.000 88.000	0.4600
										0.4617
								1945 1950	84.000 80.000	0.4634
								1950	77.000	0.4649
								2000	75.000	0.4679
								2005	72.000	0.4693
								2010	70.000	0.4706
						100		2015	67.000	0.4719
						40		2020	65.000	0.4731
								2025 2030	62.000	0.4743
								2035	57.000 55.000	0.4766
								2045	51.667	0.4786
								2050	49.060	0.4795
								2055	46.063	0.4804
								2100	43.450	0.4813
								2105	40.269	0.4821
								2110 2115	38.269 36.150	0.4828
								2113	33.958	0.4842
								2125	31.894	0.4848
								2130	30.480	0.4854
								2135	28.014	0.4859
								2140	25.263	0.4864
								2145	23.402	0.4869
								2200	20.257	0.4881
								2215 2230	17.836 15.989	0.4892
								2300	12.717	0.4902
								2330	10.548	0.4931

BOTES: To convert runoff in CFS to IB/HR, multiply by 0.0002264.



RIESEL (WACO), TEXAS WATERSHED W-7

LOCATION: Falls Co., Texas; 19 mi. SE of Waco; Brazos Biver Basin.

AREA: 174.00 acres

		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.00	1.56	0.26 0.0	3.29 0.0	2.26 0.0	1.41	10.14	3.48 0.412	2.38 0.0	3.96 0.243	4.63 1.778	7.16 3.688	40.52 6.472
TA AV	P Q	2.18 0.486	2.75 0.615	2.56 0.735	3.98 1.008	4.20 1.183	3.24 0.600	1.75 0.123	2.12 0.100	2,57 0,133	2.68 0.178	2.98 0.424	2.67 0.544	33.70 6.130
	4000	Baxis	oun	CHARGE (in			aximum	Volume fo	Select	ed Time		1		
		Discha Date E		1 Hour Date Vol		Vol.	Date		2 Hours te Vol.		Vol.	Date V		Days e Vol.
1971			Rate	Date Vol		Vol.	Date		te Vol.	Date	Vol.	Date V		e Vol.
1971		Date E	Rate	Date Vol	. Date 05 12- 9	Vol. 1.367	Date 12- 9	Vol. Da	9 2.36	Date	Vol.	Date V	ol. Dat	e Vol.

1971	DI	ILY PRECI	PITATION	(inches)			RIES	BL (WACO),	TEXAS	WATERSHED	9-1	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.02E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.03E	0.03E	0.0	0.0	0.0	0.0	0.38	0.04E	0.0		1.05
3	0.00B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0
4	0_0	0-14	0.0	0-0 B	0.0	0.0	0.0	1.44	0.0	0.20	0.0	0.0
5	0.0	0.0	C - O	0.0	0.06E	0.0	0.0	0.10E	0.0	0.02E	0.0	0.71
6	0.0	0.0	0.0	0.0	0.46	0.0	0.0	0.0	0.0		0.0	0.47
7	0.0	0.0	0.0	0.0	0.02B	0.0	0.0	C-24	0.0	G. O	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.52
9	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.0	0.06E	0.0	3.38
10	0.0	0.0	0.0		1.02	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11E	0.0	0.0	0.0	0.15
15	0.0	0.0	0.0		0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.07	C_ 0	0.0	0.0	0.0	0.0	0.07E	0.0	0.0
17	0.0	0.0	0.0	0.15E	0.0	0.0	0.0	0.0	0.0	0.0	3.93	0.03
18	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.28	0.0
19	0.0	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.02E	0.90	0.0	0.0
20	0.0	0.0	0.0	0.79	0.40	0.0	0.0	0.0	0.0	1.64	0.0	0.0
21	0.0	0.16	0.0	0.0	0.0	0.60	3.09	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.048	0.0	G_05E	0.0	0_0	0.82	0.0	0.41	0.0
23	0.0	0.0	0.0	0.0	U. 0	0.0	0.24	0.0	0.0	0.01E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.14E	0.0	1.93	0.0	1.21	0.0	0.0	0.0
25	0.0	1.07	0.09E	0.0	0.0	0.0	1.53	0.01E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04E	0.32	1.19	0.0	0.0	0.15	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.03E	0.61	0.0	0.0	0.0	0.00E	0.04
29	0.0		0.0	0.23	0.0	0.0	1.32	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.24	0.37	0.0	0.0	0.0	0.33
31	0.0		0.0		0.03E		0.0	0.08E		0.0		0.40
OTAL	0.00	1.56	0.26	3,29	2.26		10.14	3.48	2.38	3.96	4.63	7.16
STA AV	2.18	2.75		3.98	4.20	3.24	1,75	2.12	2.57	2.68	2.98	2.67

MOTES: For daily air temperatures in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are Thiessen weighted average of rain gages 751, 89, W-2, W-2a, and W-5a. Records began July 1937; part-year amounts not included in averages. STA NY based on 34 yr period. Estimate codes may indicate that non-significant event totals are included.

197	1	MEAN DAIL	T DISCHAR	GE (cfs)			RIBS	EL (WACO)	, TEXAS	WATERSHE	D W-1	
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.669
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.059
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.857	0.0	0.0	0.0	0.013
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.123	0.0	0.0	0.0	1. 166
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.0	0.0	0.0	1.222
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.014	0.0	0.0	0.0	0.161
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.037
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.526
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.739
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.043
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.017
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.011
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.026
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.028
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.012
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.052	0.011
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.896	0.009
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.010
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.776	0.002	0.011
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.002	0.008
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.007
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.010
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.011
25	0.0	0.0	0.0	0.0	0.0	0.0	0.150	0.0	0.0	0.0	0.003	0.014
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.003	0.014
27	0.0	0.0	0.0	0.0	0.0	0.0	0.198	0.0	0.0	0.0	0.003	0.014
28	0.0	0.0	0.0	0.0	0.0	0.0	0.075	0.0	0.0	0.0	0.003	0.013
29	0.0		0.0	0.0	0.0	0.0	1.651	0.0	0.0	0.0	0.003	0.013
30	0.0		0.0	0.0	0.0	0.0	0.479	0.0	0.0	0.0	0.004	0.055
31	0.0		0.0		0.0		0.009	0.0		0.0		
EAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0827	0.0972	0.0	0.0573	0.4333	0.869
HCHES TA AV	0.0 0.486	0.0	0.0 0.735	0.0 1.008	0.0 1.183	0.600	0.350 0.123	0.412	0.0 0.133	0.243 0.178	1.778	3.68 0.54

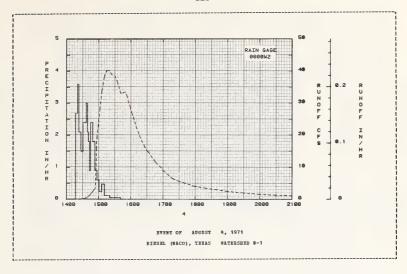
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.136791. Becords began July 1937; part-year amounts not included in averages. STA AV based on 34 yr period.

ANTECEDENT COND.				INFALL			RUNOFF		
Date Rainfall	Runoff			Intensity		Date	Time	Rate	Acc.
Ho-Day (inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	Bo-Day	of Day	(cfs)	(inches)
		В	VENT OF	AUGUST 4	, 1971				
RG 0000W2			RG 000						
8- 4 0.0	0.0	8- 4	1417	0.0	0.0	8- 4	1420	0.060	0.0
			1421	2-6999	0.18		1423	0.076	0.0
			1423	3.6003	0.30		1424	0.069	0.0
			1427	2.1000	0.44		1425	0.070	0.0
			1429	1.5001	0.49		1426	0.098	0.0
WATERSHED CONDITION:									
1% row grain sorghu	, mature;		1431	1.4996	0.54		1427	0.124	0.0
5% pasture, Bermuda	grass,		1435	2.4001	0.70		1428	0.161	0.0
ood cover, moderate	Ly		1437	2.4001	0.78		1429	0.217	0.0
razed; 3% gravel ro			1439	3.0001	0.88		1430	0.241	0.0
ohnsongrass and weed	ls, not		1441	2.0998	0.95		1432	0.280	0.0
			1443	1.7999	1.01		1434	0.316	0.0001
			1445	0.9000	1.04		1435	0.358	0.0001
			1447	2-4001	1.12		1436	0.454	0.0001
			1449	2.4000	1.20		1437	0.536	0.0001
			1451	1.8000	1.26		1438	0.684	0.0002
								304	
			1453	1.8004	1.32		1439	0.769	0.0003
			1455	0.9000	1.35		1441	0.889	0-0004
			1457	0-9000	1.38		1442	1.084	0.0005
			1501	0.5999	1.42		1443	1. 251	0.0006
			1506	0.2401	1.44		1444	1.465	0.0007
			.500	042401				1.403	0.0007
			1511	0.4799	1.48		1445	1.731	0.0009
			1521	0.4799	1.50		1446	1.877	0.0009
			1541	0.0600	1. 52		1447	2.050	0.0013
			1551	0.0000	1.52		1448	2.050	0.0013
			.551	0.0	1.02		1449	2.476	0.0018
							1445	24476	0.0010
							1450	2.667	0.0020
							1451	2.892	0.0020
							1452	3.093	0.0022
							1453	3.093	0.0025
							1454	3.728	0.0029
							1434	3.728	0.0032

NOTES: To convert runoff in CFS to IN/BR, multiply by 0.005700.

	ECTED RUBOR	F EVENT				RIESEL	(WACO), T	EXAS WAT	BBSBED W-	
ANTECED	BNT CONDIT	TIONS		RAIF	FALL			RUBOR	P	
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date 80-Day	Time of Day	FALL Intensity (in/hr)	Acc.	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
									(015)	
			EAEMA C	F AUGUST	4, 197	(CONTI	UED)			
							8- 4	1455	9.116	0.0038
								1456	16.611	0.0049
								1457	19.399	0.0069
								1458	21.082	0.0087
								1459	22.749	0.0107
								1500	24.254	0.0133
								1501	25.937	0.0155
								1502	27.661	0.0179
								1503	28.981	0.0204
								1504	30.625	0.0237
								1505	32.302	0.0265
								1506	33.778	0.0294
								1507	34.880	0.0325
								1508	35.916	0.0364
								1510	37.857	0.0430
								1512	39.007	0.0507
								1515	40.253	0.0622
								1520	40.170	0.0810
								1525	38.842	0.0995
								1530	38.595	0.1185
								1535	36.639	0.1361
								1540	33.699	0.1525
								1542	32.921	0.1592
								1545	33.309	0.1688
								1550	33.543	0.1844
								1553	32,379	0.1939
								1556	30.098	0.2022
								1559	28.833	0.2107
								1602 1605	27.009 25.583	0.2188
								1610	22.614	0.2377
								1615	20.494	0.2483
								1620	18.389	0.2574
								1625 1630	16.731 15.190	0.2656
								1635 1640	14.327	0.2803
								1645	12.930 11.798	0.2867 0.2928
								1650	10.961	0.2928
								1654	10.298	0.3021
								1657	9.799	0.3050
								1700	8.974	0.3030
								1708	7-829	0.3141
								1718	6.432	0.3208
								1728	5.727	0.3266
								1738	5.194	0.3318
								1758	4.097	0.3406
								1818	3.483	0.3478
								1838	3.029	0.3540
								1858	2.487	0.3592
								1928	1.957	0.3655
								1958	1,563	0.3705
								2028	1.284	0.3746
								2058	1.073	0.3780
								2128	0.889	0.3808
								2158	0.820	0.3832
								2228	0.734	0.3854
								2258	0.645	0.3874
								2328	0.550	0.3891
								2400	0.467	0.3907

HOTES: To convert runoff in CFS to IM/HB, multiply by 0.005700.



RIBSEL (WACO), TEXAS WATERSHED W-2

LOCATION: Falls Co., Texas; 19 mi. SE of Waco; Brazos River Basin.

AREA: 130.00 acres

									~~					
		Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec	Annual
1971	P Q	0.0 0.001	1.41	0.25 0.0	3.21 0.0	2.01 0.0	1.62 0.0	9.84 0.298	4.48 1.142	2.48 0.101	3.99 0.477	4.65 2.058	7.07 4.288	41.00 8.364
VA AT	P Q	2.15 0.576	2.73 0.741	2.48 0.846	3.99 1.059	4.16 1.207	3.19 0.564	1.71 0.122	2.22 0.090	2.59 0.112	2.67 0.173	2.95 0.442	2.63 0.667	33.46 6.599
	ABBU	AL HAXIS	UE DISC	HARGE (in	/hr) ABD	BAXIBUS	VOLUMES	OF RUNO	P (inch	es) FOR	SELECTE	D TIME I	INTERVALS	
	ABBU	Maxi	un				faximum V	olume for	Selecte	d Time	Interva	1		
	ABBC		um irge	HARGE (in	2			olume for		d Time			ys 8	Days e Vol.
1971	AHBU	Maxi Discha	ium irge late	1 Hour Date Vol	2 Date	Hours Vol.	faximum V 6 Hou Date V	olume for	Selecte Hours e Vol.	d Time 1 Date	Interva Day Vol.	1 2 Day Date V	ys 8	e Vol.
1971	AHBU	Maxis Discha Date I	ium irge late	1 Hour Date Vol	2 Date	Hours Vol.	Saximum V 6 Hou Date V	olume for	Selecte Hours e Vol.	d Time 1 Date	Interva Day Vol.	1 2 Day Date V	ys 8 Vol. Dat	e Vol.

1971	Di	ALLY PRECE	PITATION	(inches)			RIESE	(WACO)	TEXAS	WATERSHED	¥−2	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0	0.0		0.0	0.0
2		0.03E	0.02E	0.0	0.0	0.0	0.0	0.39	0.04E		0.0	1.02
3	0.0 B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0
4	0.0	0.15		0.0 E	0.0	0.0	0.0	2.02	0.0	0.20	0.0	0.0
5	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.15E	0.0	0.02E	0.0	0.68
6	0.0	0.0	0.0	0.0	0.23E	0.0	0.0	0.0	0.0	0.01E	0.0	0.41
7	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.25	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.47
9	0.0	0.0	0.0	0.0	0.11E	0.0	0.0	0.0	0.0	0.06E		3.50
10	0.0	0.0	0.0	0.0	1.08	0.0	0.0	0.0	0.0	0.0	0.0	0.04
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.78	0.01B	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12E	0.0	0.0	0.0	0.15
15	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.04	0.0	0.0	0.0	0.0	0.0	0.06E	0.0	0.0
17	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	3.96	0.03E
18	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	0.0
19	0.0	0.0	0.0	0.0	0.0	0.038	0.0	0.0	0.02B	0.99	0.0	0.0
20	0.0	0.0	0.0	0.75	0.30	0.0	0.0	0.0	0.0	1.54	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	0.91	2.57	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05B	0.0	0.01E	0.0	0.0	0.80	0.0	0.38	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.02E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.15E	0.0	2.31	0.0	1.22	0.0	0.0	0.0
25	0.0	0.97	0.08E	0.0	0.0	0.0	1.25	0.00E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04E	0.37	1.19	0.0	0.0	0.16	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.03E	0.57	0.0	0.0	0.0	0.0 E	0.031
29	0.0		0.0	0.20	0.0	0.0	1.36	0.0	0.0	0.0	0.0	0.01E
30	0.0		0.0	0.0	0.0	0.0	0.26	0.75	0.0	0.0	0.0	0.32
31	0.0		0.0		0.012		0.0	0.02E		0.0		0.37
OTAL	0.0	1.41	0.25	3.21	2.01	1.62	9.84	4.48	2,48		4.65	7.07
TA AV	2.15	2.73	2.48	3.99	4.16	3.19	1.71	2.22	2.59	2.67	2.95	2.63

HOTES: For daily air temperatures in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are Thiessem weighted average of raim gages W-2, W-3, W-3A, and W-6. Records began July 1937. STA AV based on 34 yr period. Estimate codes may indicate that non-significant event totals are included.

197	1	BEAN DAIL	Y DISCHAR	GE (cfs)			RIES	EL (WACO)	, TEXAS	WATERSHE	D ₩-2	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.022	0.006	0.044	0.061
2	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.026	0.021	0.008	0.040	1.156
3	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.018	0.022	0.030	0.145
4	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	5.290	0.014	0.035	0.029	0.079
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.155	0.010	0.018	0.026	1.524
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.044	0.013	0.013	0.030	0.939
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.058	0.014	0.009	0.028	0.189
8	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.024	0.027	0.012	0.031	0.139
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.018	0.024	0.011	0.033	15.948
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.017	0.020	0.007	0.029	1.100
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.017	0.016	0.006	0.024	0.114
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.070	0.017	0.007	0.026	0.099
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.077	0.015	0.008	0.028	0.097
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.036	0.014	0.009	0.027	0.133
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.029	0.014	0.010	0.026	0.119
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.026	0.013	0.012	0.025	0.098
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-024	0.010	0.012	8.031	0.099
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.022	0.010	0.013	1.953	0.096
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.020	0.006	0.037	0.055	0.100
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.021	0.009	1.872	0.055	0.098
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.021	0.011	0.042	0.056	0.092
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.018	0.054	0.032	0.082	0.093
23	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.019	0.022	0.033	0.091	0.093
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.018	0.060	0.038	0.063	0.095
25	0.0	0.0	0.0	0.0	0.0	0.0	0.044	0.021	0.042	0.040	0.065	0.095
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.022	0.019	0.047	0.064	0.095
27	0.0	0.0	0.0	0.0	0.0	0.0	0.097	0.020	0.016	0.067	0.062	0.093
28	0.0	0.0	0.0	0.0	0.0	0.0	0.039	0.016	0.010	0.047	0.064	0.090
29	0.0		0.0	0.0	0.0	0.0	1.076	0.015	0.007	0.043	0.060	0.089
30	0.0		0.0	0.0	0.0	0.0	0.357	0.036	0.007	0.043	0.062	0.151
31	0.0		0.0		0.0		0.015	0.036		0.043		0.101
BAN	0.0001	0.0	0.0	0.0	0.0	0.0	0.0525	0.2012	0.0185	0.0840	0.3746	0.755
SCHES	0.001	0.0	0.0	0.0	0.0	0.0	0.298	1.142	0.101	0.477	2.058	4.28
VA AT	0.576	0.741	0.846	1.059	1.207	0.564	0.122	0.090	0.112	0.173	0.442	0.66

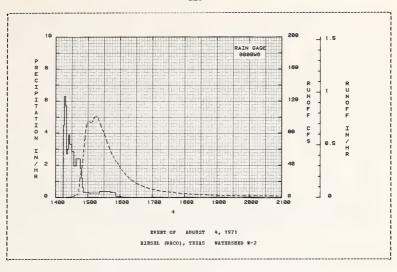
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.183090. Records began July 1937. STA AV based on 34 yr period.

ANTECEDE	MT CONDI				INFALL			RUNOP	9	
Date	Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Bate	Acc.
Ho-Day	(inches)	(inches)	No-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			В	VENT OF	AUGUST	4, 1971				
RG	000086			BG 000						
8- 4	0.0	0.002	8- 4	1414	0.0	0.0	8- 4	1420	0.011	0.0
				1416	4.5002	0.15		1421	0.019	0.0
				1418	6.2998	0.36		1422	0.040	0.0
				1420	5 7000	0.55		1423	0.059	0.0
				1422	2.7004	0.64		1424	0.098	0.0
ATERSHED C										
tilled, b				1424	2.9997	0.74		1425	0.154	0.0
rghum, mat				1426	3.9002	0.87		1426	0.195	0.0
rmudagrass				1430	3.3000	1.09		1427	0.238	0.0
derately g				1434	2.8500	1.28		1428	0.324	0.0
uiting; 5%				1438	1.9498	1.41		1429	0.423	0.0
hnsongrass	, not till	led or								
azed. Cro	pland fars	ed on		1442	2.4001	1.57		1430	0.544	0.0001
ntour, not	terraced.			1446	2.4001	1.73		1431	0.668	0.0002
				1448	1.8000	1.79		1432	0.874	0.0003
				1450	1.1998	1.83		1433	1.168	0.0004
				1452	0.6001	1.85		1434	1,473	0.0006
				1502	0.3000	1.90		1435	2.022	0.0008
				1522	0.2700	1.99		1436	2.487	0.0011
				1542	0.3600	2.11		1437	2.578	0.0014
				1552	0.3000	2.16		1439	3.044	0.0022
				1602	0.0601	2.17		1440	3.338	0.0026
				1607	0.0	2,17		1441	3.919	0.0030
								1442	4.497	0.0036
								1443	7.714	0.0043
								1444	13.706	0.0056
								1445	21.082	0.0082
								1446	25.583	0.0110
								1447	30.173	0.0143
								1448	34.013	0.0181
								1449	36.801	0.0234
								1450	40.504	0.0280

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.007629.

	ECTED RUMOP						WACO), T			
	ENT CONDIT	IONS		RAIN	PALL			RUBOI		
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time :	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EABRE O	P AUGUST	4, 1971	(CONTIN				
							8- 4	1451 1452	47.673 56.683	0.0333
								1453	64.062	0.0485
								1454	71.563	0.0566
								1455	77.336	0.0655
								1456	84.040	0.0751
								1457 1458	87.358 91.062	0.0879 0.0985
								1459	92.651	0.1094
								1500	93.906	0.1233
								1502	94.709	0.1458
								1505 1507	93.221 93.221	0.1822
								1509	95.398	0.2297
								1511	98.175	0.2528
								1513	100.512	0.2794
								1515 1517	101.334 99.809	0.3065
								1519	98-059	0.3570
								1521	95.168	0.3800
								1523	91.289	0.4050
								1525 1527	86.913 83.821	0.4262
								1529	81.420	0.4688
								1531	78.189	0.4902
								1533	74.902	0.5084
								1535 1537	70.018 66.864	0.5278
								1539	63.566	0.5616
								1541	60.234	0.5764
								1543	56.494	0.5921
								1545 1547	53.214 51.189	0.6068
								1549	49.015	0.6326
								1551	46.258	0.6440
								1553 1555	44.424	0.6562
								1557	42.960 41.008	0.6666
								1559 1601	38.513 36.157	0.6874
								1603 1605	34.485 32.921	0.7058
								1608	30.323	0.7271
								1611 1614	27.734 25.866	0.7375
								1617 1620	24.185 22.076	0.7576
								1625	19.655	0.7797
								1630 1635	17.584 15.895	0.7919
								1640		
								1645	14.441	0.8119
								1650 1655	11.904	0.8289
								1700	10.704 9.799	0.8427
								1710	8.545	0.8542
								1720	7.355	0.8644
								1730 1740	6.444 5.699	0.8732
								1750	5.027	0.8877
								1800	4.460	0.8938
								1820 1840	3.675 3.044	0.9041 0.9126
								1900	2.458	0.9197
								1920	2.029	0.9254
								1950	1.708	0.9325
								2015 2045	1.868	0.9382 0.9449 0.9505
								2115	1.331	0.9505
								2145	1.010	0.9550
								2215 2245	0.827 0.721	0.9585 0.9615
								2315	0.630	0.9641
								2345	0.528	0.9663

BOTES: To convert runoff in CPS to IB/BE, multiply by 0.007629.



RIESEL (WACO), TEXAS WATERSHED W-6

LOCATION: Falls Co., Texas; 19 mi. SE of Waco; Brazos River Basin.

AREA: 42.30 acres

HC	NTHL	PRECIE	OITATIO	N AND B	UNOFF	(inche:	s)			RIES	SEL (WA	CO), T	BXAS 9	ATERSE	ED W-6		
		Jan	Peb	Har	. A	pr	May	Jun	Jul	A	1g	Sep	0ct	HOA	Dec	. A	nnual
1971	P Q	0.0	1.49 0.0	0.2		. 19 . 0	2.15 0.0	1.70 0.0	9.89 0.27			2.24 0.0	4.15 0.083	4.62 1.31			0.98 6.507
STA AV	P Q	1.98 0.315	2.67 0.40			.02 .719	3.88 0.779	3.31 0.460	1.68 0.07			2.70 0.086	2.84 0.109	2.98 0.32			3.21 4.310
	ANNO	AL MAXI	HUH DI:	SCHARGE	(in/h	c) AND	MAXIMUE	AOLUNI	S OF B	USOPP	(inche	s) POR	SELECTI	D TIME	INTERV	ALS	
		Maxi Disch Date	arge	1 H Date	our Vol.		Hours Vol.	6 Bc		12 E		1	laterva Day Vol.	2 D	ays Vol.	8 D Date	ays Vol.
1971		11-17	1.295	12- 9	1.030	12- 9	1,530	12- 8	2.290	13- 9	2.845	12- 9	3.561	12- 8	3.731	12- 2	4.007
						-	HARIHUHS	FOR PI	RIOD C	P RECO	ORD						
		6-10 1941	3.990	4-19 1957	2.330	4-19 1957		5-11 1957	3.130	5-11 1957	3.210	3-29 1965		11-22 1940	5.090	4-19 1957	9.060

NOTES: Watershed conditions: 66% row grain sorghum; 15% pasture; 10% cotton; 7% gravel and pawed roads; 2% other. All of other land use is non-tilled, non-pastured land, generally in various crop acreage reduction programs. Crop-land farmed on contour, not terraces. Bodified conservation program since 1956. For map of watershed, see Bydro-logic Data for Experimental Agricultural Watersheds in the United States, 1963, USDA Misc. Pub. 1864, p. 82.7-5 (Revized). Precipitation and runoff records began May 1939; station not in operation July 1931 to Jan. 1, 1966; part-year amounts not included in averages. Precipitation data from Thiessen weighted method using rain gages #-2, #-4 and #-53. For long-tile precipitation records, see Mational Wauther Service records at Maco, Terms.

1971	Di	ILY PRECI		(inches)			RIESI	EL (WACO),	TEXAS	WATERSHED	W-6	
Day	Jan	Peb	Mar	Apr	Нау	Jun	Jul	λug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.02E	0.02E	0.0	0.0	0.0	0.0	0.37	0.02E	0.0	0.0	1.02
3	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0	0.0
4	0.0	0.16	0.0	0.0 E	0.0	0.0	0.0	1.97	0.0	0.20	0.0	0.0
5	0.0	0.0	0.0	0.0	0.08E	0.0	0.0	0.13E	0.0	0.02E	0.0	0.66
6	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.01E	0.0	0.42
7	0.0	0.0	0.0	0.0	0.03E	0.0	0.0	0.25	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.46
9	0.0	0.0	0.0	0.0	0.11E	0.0	0.0	0.0	0.0	0.06E	0.0	3.41
10	0.0	0.0	0.0	0.0	1.06	0.0	0.0	0.0	0.0	0.0	0.0	0.04
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15E	0.0	0.0	0.0	0.15
15	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.02	0.0	0.0	0.0	0.0	0.0	0.06E	0.0	0.0
17	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	3.94	0.03
18	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.31	0.0
19	0.0	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.01B		0.0	0.0
20	0.0	0.0	0.0	0.77	0.32	0.0	0.0	0.0	0.0	1.65	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	0.85	2.67	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05E	0.0	0.00E	0.0	0.0	0.73	0.0	0.38	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.01E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.14E	0.0	2.31	0_0	1.19	0.0	0.0	0.0
25	0.0	1.05	0.07E	0.0	0.0	0.0	1.19	0.00E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0
27	0.0	0.0	0.0	0.0	0.03E	0.45	1.08	0.0	0.0	0.13	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.02B	0.67	0.0	0.0	0.0	0.0 B	0.03
29	0.0		0.0	0.19	0.0	0.0	1.43	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.21	0.70	0.0	0.0	0.0	0.28
31	0.0		0.0		0.01E		0.0	0.01E		0.0		0.35
OTAL	0.0	1.49	0.24	3.19	2.15	1.70	9.89	4.39	2.24	4.15	4.62	6.93
TA AV	1.98	2.67	2.37	4.02	3.88	3.31	1.68	2.29	2.70	2.84	2.98	2.49

NOTES: For daily air temperatures in the vicinity, see table for Watershed C, p. #2.002-1. Precipitation values are Thiessen weighted average of rain gages #-2, W-4, and W-5h. Records began May 1939; station not in operation July 1943 to Jan. 1, 1946; part-year amounts not included in averages. STA NV based on 29 yr period. Estimate codes may indicate that non-significant event totals are included.

197	71	MEAN DAIL	Y DISCHAR	GE (cfs)			RIES	EL (WACO)	, TEXAS	WATERSHE	D W-6	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	λug	Sep	0ct	BOA	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.064
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.165	0.0	0.0	0.0	0.003
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.163
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.239
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.021
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.328
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.304
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.012	0.0	0.0	0.0	0.006
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.00€
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.019
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.871	0.007
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.442	0.008
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.011
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.142	0.0	0.011
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0 T	0.010
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.013
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.014
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.013
25	0.0	0.0	0.0	0.0	0.0	0.0	0.053	0.0	0.0	0.0	0.001	0.014
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.001	0.025
27	0.0	0.0	0.0	0.0	0.0	0.0	0.058	0.0	0.0	0.001	0.001	0.021
28	0.0	0.0	0.0	0.0	0.0	0.0	0.058	0.0	0.0	0.0	0.001	0.019
29	0.0		0.0	0.0	0.0	0.0	0.230	0.0	0.0	0.0	0.002	0.019
30	0.0		0.0	0.0	0.0	0.0	0.086	0.0	0.0	0.0	0.002	0.018
31	0.0		0.0		0.0		0.0	0.0		0.0		0.010
AH	0.0	0.0	0.0	0.0	0.0	0.0		0.0383	0.0	0.0047	0.0776	0.239
CHES	0.0	0.0	0.0	0.0	0.0	0.0	0.273	0.668	0.0	0.083	1.310	4.17
A AV	0.315	0.400	0.539	0.719	0.779	0.460	0.077	0.049	0.086	0.109	0.323	0.45

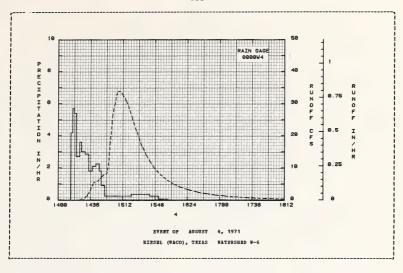
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.562687. Records began May 1939; station not in operation July 1943 to Jan. 1, 1946; part-year amounts not included in averages. STA AV based on 29 yr period.

Date Rainfall Runoff Date Time Intensity Acc. Date Time Rate Rat	ANTECEDENT CONDITIONS			IBPALL			EUNOF		
### REFERS OF AUGUST 4, 1971 ### BC 0000W4 8- 4 0.0 0.0 8- 4 1418 0.0 0.0 8- 4 1424 0.006 ### 1416 4.1999 0.14 1425 0.007 ### 1416 5.7002 0.33 1426 0.013 ### 1418 5.7002 0.33 1426 0.013 ### 1418 5.7002 0.33 1426 0.013 ### 1418 5.7002 0.33 1426 0.013 ### 1418 5.7002 0.33 1426 0.013 ### 1418 5.7002 0.33 1426 0.013 ### 142 0.003 0.69 1429 0.60 ### 142 0.003 0.69 1429 0.60 ### 142 0.003 0.69 1429 0.60 ### 142 0.003 0.69 1429 0.60 ### 142 0.003 0.69 1429 0.60 ### 142 0.003 0.69 1429 0.60 ### 142 0.003 0.69 1429 0.60 ### 142 0.003 0.69 1429 0.60 ### 142 0.003 0.69 0.60 ### 142 0.003 0.69 ### 143 0.6825 ### 143 0.682	Date Rainfall Runof:		Time	Intensity	Acc.	Date	Time	Rate	Acc.
RG 0000WA B- W 0.0 0.0 8- W 186 0000WA B- W 1999 0.11 18 1825 0.000 11416 5.7002 0.33 1826 0.013 11420 5.3997 0.51 1427 0.018 11420 5.3997 0.51 1427 0.018 11420 5.3997 0.51 1427 0.018 11420 5.3997 0.51 1427 0.018 11420 5.3997 0.51 1427 0.018 11420 5.3997 0.51 1427 0.018 11420 5.3997 0.51 1427 0.018 11420 5.3997 0.51 1427 0.018 11420 5.3997 0.51 1427 0.018 11420 5.3999 0.60 1428 0.633 11420 5.3999 0.60 1428 0.633 11420 5.3999 0.81 1820 0.682 11420 5.3999 1.01 1431 1.058 11420 5.3999 1.01 1431 1.058 11420 5.3999 1.01 1431 1.058 11420 5.3999 1.01 1431 1.058 11420 5.3999 1.01 1431 1.058 11420 5.3999 1.22 1433 1.708 11420									
8- 4 0.0 0.0 8- 4 1118 0.0 0.0 8- 4 1428 0.006 1166 4.1999 0.18 1425 0.007 1188 0.007 11		1	SVENT OF	AUGUST 4	, 1971				
1816 4.1999 0.18 1425 0.007 1818 5.7002 0.33 1426 0.001 1818 5.7002 0.33 1426 0.001 1820 5.3937 0.51 1427 0.018 1820 5.3937 0.51 1427 0.018 1820 5.3937 0.50 1427 0.018 1820 5.3937 0.50 1427 0.018 1820 5.3937 0.50 1427 0.018 1820 5.3937 0.50 1427 0.018 1820 5.3939 0.69 1429 0.129 1821 5.3939 0.69 1429 0.129 1822 5.3939 0.69 1429 0.129 1823 5.3939 0.69 1429 0.129 1824 5.3939 0.69 1.20 1.20 1825 5.3939 1.20 1.20 1825 5.3939 1.20 1.20 1826 5.3939 1.20 1.20 1826 5.3939 1.20 1.20 1827 5.3939 1.20 1.20 1828 5.3939 1.20 1829 5.3939 1.20 1820 5.3939 1.20 1820 5.3939 1.20 1821 5.3939 1.20 1822 5.3939 1.20 1823 5.3939 1.20 1824 5.3939 1.20 1825 5.3939 1.20 1826 5.3939 1.20 1827 5.3939 1.20 1828 5.3939 1828 5.3939 1828 5.3939 1828 5.3939 1828 5.3939 1828 5.3939 1829 5.3939 1820 5.3939 1820 5.3939 1820 5.3939 1820	RG 0000W4		BG 000	0#4					
1818 5.7002 0.33 1426 0.013 1427 0.018 1427 0.519 1427 0.519 1427 0.519 1427 0.519 1427 0.519 1427 0.519 1428 0.018 0.682 0.018 0	8-4 0.0 0.0	8- 4	1414			8- 4			0.0
1420 5.3997 0.51 1427 0.018 WATERSHED CONDITIONS: 1422 2.6999 0.60 0.60 MARRIESHED CONDITIONS: 1428 2.7003 0.69 66% row grain sorthwas matter: 1426 2.7003 0.69 1829 0.129 66% row grain sorthwas matter: 1426 2.7003 0.69 1829 0.129 66% row grain sorthwas matter: 1426 2.5999 0.81 1830 0.682 good cover, moderately grazed; 1430 2.9999 1.01 1431 1.059 10% cotton, fruiting; 7% 1438 2.8500 1.20 1432 1.183 gravel roads; 2% mative grass 1438 1.7999 1.32 1433 1.704 waterways, dense cover. 1422 2.1000 1.46 1435 2.637 rotopland farred on contour, 1446 2.2501 1.61 1435 2.473 1446 1.8000 1.67 1435 2.493 1450 0.9000 1.70 1437 3.665 1450 0.9000 1.70 1437 3.655 1450 0.9000 1.77 1439 8.955 1552 0.2400 1.77 1439 8.955 1552 0.2400 1.97 1441 5.595 1552 0.2400 2.01 1446 6.310 1602 0.6600 2.02 1446 6.310 1449 7.008 1449 7.008 1451 7.833 1451 7.833 1451 7.833 1451 7.833 1558 6.245 1455 8.153 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1455 8.245 1456 0.934 1455 8.245 1457 0.934 1455 8.245 1458 0.934 1455 8.245 1456 0.934 1455 8.245 1456 0.934 1455 8.245 1456 0.934 1455 8.245 1457 0.934 1455 8.245 1456 0.934 1455 8.245 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 1455 0.934 1457 0.934 145									0.0
### 1822									0.0
### Notes of Comparisons: 1424 2.7003 0.69 1429 0.129 15% pasture, Bernudagrass, etc. 1428 2.7003 0.69 15% pasture, Bernudagrass, etc. 1426 3.5999 0.81 1430 0.625 15% pasture, Bernudagrass, etc. 1426 3.5999 0.81 1430 0.625 15% pasture, Bernudagrass, etc. 1426 3.5999 0.81 1430 0.625 15% cotton, Friting, Target, etc. 1428 2.8500 1.20 1.20 1.81 15% gravel roade; 2% native grass 1438 1.7999 1.32 1433 1.704 15% cotton, Friting, Target, etc. 1430 1.20 1.86 1433 2.453 1406 2.2501 1.61 1433 2.453 1450 0.9000 1.70 1437 3.243 1450 0.9000 1.70 1437 3.243 1450 0.9000 1.70 1437 3.625 1592 0.2400 1.77 1438 4.955 1592 0.2400 1.85 1400 1594 0.3600 1.97 1441 5.595 1595 0.2600 2.02 1446 6.310 1607 0.0 2.02 1446 6.310 1498 7.008 1495 7.893 1491 7.893 1.451 7.833 1491 7.833 1.594 7.329 1491 7.833 1.594 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329 1495 7.329 7.329 1495 7.329 7.329 1495 7.329									0.0
665 row grain sorchus, mature; 1424 2.7003 0.69 1429 0.129 155 pasture, Barmadagrased; 1426 3.5999 0.81 1430 1.662 good cover, moderately grazed; 1430 2.990 1.01 1431 1.055 gravel roads; 2% native grass 1433 1.7999 1.32 1433 1.709 waterways, dense cover. cropland faraed on contour, 1446 2.2501 1.61 1435 2.979 act terraced. 1480 1.0000 1.67 1436 2.999 1850 0.9000 1.70 1437 3.665 1850 0.9000 1.77 1437 3.665 1852 0.2400 1.73 1438 4.252 1502 0.2400 1.85 1400 5.262 1502 0.2400 1.95 1446 5.253 1502 0.2400 1.95 1446 5.310 1607 0.0 2.02 1447 6.668 1607 0.0 2.02 1446 6.310 1607 0.0 2.02 1446 6.310 1607 0.0 2.02 1446 7.631 1607 0.0 2.02 1446 7.608 1485 8.533 1556 8.533 1556 8.245			1422	2.6999	0.60		1428	0.033	0.0
15% pasture, Bermidagrass, 1426 3.5999 0.81 1430 0.682 good cover, soderately grazed; 1830 2.5999 1.01 1431 1.055 10% cotton, freiting; 7% 1438 2.5500 1.20 1832 1.183 1.799 1.32 1.833 1.799 1.32 1.33 1.799 1.32 1.33 1.799 1.32 1.33 1.799 1.32 1.33 1.799 1.32 1.33 1.799 1.33 1.34 1.34 1.34 1.3600 1.61 1435 2.473 1.34 1.3600 1.67 1436 2.291 1.34 1.3600 1.67 1436 2.291 1.35									
good cover, moderately grazed; 1830 2.9999 1.01 1431 1.055 10% cotton, fruiting; % 1838 2.8500 1.20 1832 1.183 gravel roads; ZM native grass 1838 1.7999 1.32 1833 1.704 sateturely, dense cover. 1842 2.1000 1.46 1835 2.437 not terraced. 1846 2.2591 1.61 1835 2.473 1846 1.8000 1.67 1836 2.994 1850 0.9000 1.70 1837 3.665 1852 0.9000 1.70 1837 3.665 1852 0.2000 1.73 1838 4.955 1552 0.2400 1.77 1839 4.955 1552 0.2400 1.85 1840 5.956 1552 0.2400 2.01 1841 5.595 1552 0.2400 2.01 1841 5.595 1552 0.2400 2.01 1844 5.595 1602 0.0600 2.02 1846 6.310 1607 0.0 2.02 1847 6.668 1849 7.009				2.7003					0.0
10% cotton, fruiting: 78							1430	0.682	0.0002
10% cotton, fruiting: 78	good cover, moderately grazed		1430	2.9999			1431	1.055	0.0005
gravel roads; 2% native grass 1438 1.7999 1.32 1433 1.704 waterways, dense cover. 142 2.1000 1.46 1435 2.037 cropland farred on contour, 1446 2.1251 1.61 1435 2.974 1446 1.8000 1.67 1435 2.994 1450 0.9000 1.70 1437 3.665 1450 0.9000 1.70 1437 3.665 1450 0.9000 1.77 1438 4.955 1522 0.2400 1.77 1439 4.955 1522 0.2400 1.85 1400 5.282 1522 0.2400 1.87 1441 5.595 1520 0.0600 2.02 1446 6.310 1607 0.0 2.02 1446 6.310 1487 7.008 1488 7.008 1491 7.833 1491 7.833 1495 8.533 1535 8.533 1536 8.245 1455 8.245 1455 8.245 1455 8.153 1595	10% cotton, fruiting: 7%		1434	2.8500	1.20		1432	1. 183	0.0009
Cropland farsed on contour, 1442 2.1000 1.46 1433 2.037 and terraced. 1446 2.2501 1.61 1435 2.472 and terraced. 1446 1.8000 1.67 1436 2.294 1436 2.294 1455 2.994 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 1455 2.994 2.994 1455 2.	gravel roads; 2% native grass		1438						0.0014
not terraced. 1446	waterways, dense cover.		1002	2 1000	1 46		1030	2 027	0.0023
1446 1.3000 1.67 1836 2.994 1850 0.9000 1.70 1837 3.665 1852 0.2400 1.77 1838 4.825 1502 0.2400 1.77 1839 4.955 1522 0.2400 1.85 1840 5.262 1542 0.3600 1.97 1841 4.585 1552 0.2400 2.07 1848 5.855 1552 0.2600 2.07 1848 5.855 1607 0.0 2.02 1847 6.668 1607 0.0 2.02 1847 6.668 1840 7.008 1840 7.008 1840 7.008 1840 7.008 1840 7.008 1840 7.008 1840 7.008 1840 7.008 1845 6.245									0.0023
1450 0,9000 1,70 1437 3,665 1450 0,9000 1,70 1437 3,665 1450 0,9000 1,73 1438 4,826 1592 0,2400 1,77 1439 4,955 1592 0,2400 1,85 1440 5,595 1552 0,2400 2,01 1444 5,595 1652 0,2400 2,01 1444 5,595 1652 0,2400 2,01 1446 6,310 1607 0.0 2.02 1446 6,310 1449 7,008 1449 7,008 1449 7,009 1449 7,009 1449 7,009 1449 7,009 1449 1455 8,531 1556 1451 7,833 1854 1451 7,834 1451 7,834 1451 7,834 1451 7,834 1451 7,834 1451 7,834 1451 7,834 1451 7,834 1451 7,834 1451 7,834 1451 7,834 1451	ior rerraced.								0.0031
1452 0.9000 1.73 1838 4.826 15502 0.2400 1.77 1839 4.955 1522 0.2400 1.85 1440 5.282 1542 0.1600 1.97 1441 5.585 1552 0.2400 2.07 1444 5.585 1652 0.2400 2.07 1446 6.310 1607 0.0 2.02 1446 6.310 1607 0.0 2.02 1447 6.310 1448 7.008 1449 7.038 1451 7.329 1451 7.329 1451 7.329 1451 7.329 1452 8.533 1558 6.733									0-0053
1502 0.2400 1.77 1839 8.955 1522 0.2400 1.87 1840 5.285 1522 0.2400 2.01 1.87 1840 5.285 1522 0.2400 2.01 1.87 1840 5.285 1525 0.2400 2.01 1845 1846 6.310 1607 0.0 2.02 1846 6.310 1607 0.0 2.02 1846 7.000 1848 7.000 1849 7.029 1845 7.039 1855 8.533									0.0053
1522 0.2400 1.85 1400 5.282 1542 0.3600 1.97 1441 5.891 1602 0.0600 2.02 1444 5.891 1602 0.0600 2.02 1446 6.310 1408 7.008 1449 7.008 1449 7.089 1449 7.089 1449 7.089 1449 7.089 1449 7.089 1449 7.289 1450 7.832 1450 7.833 1454 6.285 1455 8.533 1456 6.285 1455 8.533 1456 10.934			1452	0.9000	1.73		1438	4.426	0.0072
1592 0.3600 1.97 141 5.595 1552 0.2400 2.01 1444 5.595 1652 0.2400 2.01 1444 6.310 1602 0.6600 2.02 1446 6.310 1449 7.008 1449 7.009 1449 7.009 1449 7.009 1449 7.009 1449 7.009 1449 7.009 1449 7.009 1451 7.833 1854 1855 8.533 1854 1655 8.533 1855 8.533									0.0089
1552 0.2400 2.01 1444 5.891 1602 0.0660 2.02 1446 6.310 1460 7.00 2.02 1447 6.668 1448 7.008 1449 1451 7.821 1451 7.823 1451 7.823 1455 8.533 1456 10.934									0.0108
1602 0.0600 2.02 1446 6.310 1607 0.0 2.02 1447 6.668 1448 7.009 1448 7.009 1451 7.329 1451 7.833 1854 6.245									0.0128
1607 0.0 2.02 1447 6.668 1448 7.008 1449 7.329 1451 7.833 1454 6.245 1455 8.533 1456 10.934									0.0196
1448 7.008 1449 7.329 1451 7.833 1454 6.245 1455 8.533 1456 10.934			1602	0.0600	2.02		1446	6.310	0.0246
1448 7.008 1449 7.329 1451 7.833 1454 6.245 1455 8.533 1456 10.934			1607	0.0	2.02		1447	6-668	0.0270
1449 7.329 1451 7.833 1454 8.245 1455 8.533 1456 10.934							1448		0.0295
1451 7.833 1854 6.245 1455 8.533 1456 10.934									0.0328
1454 8.245 1455 8.533 1456 10.934									0.0384
1456 10.934									0.0480
1456 10.934							1055	0 533	0.0511
									0.0547
									0.0547
1458 18-232			-						0.0663
1458 18.232 1459 20.652									0.0663

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.023445.

SELE	CTED RUBOFF	PEVENT				RIESEL ((WACO), T	EXAS WAT	ERSEED W-6	5
ANTECEDE	HT CONDITE	EONS		BA:	HPALL			RUNOF	P	
Ho-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT C	F AUGUS	T 4, 197	(COSTIE	(UED)			
							8- 4	1500	24.833	0.0838
								1501	26,847	0.0933
								1502	28.590	0.1035
								1503	29.663	0.1142
								1504	31.172	0.1281
								1505 1506	32.795	0.1398
									33.400	0.1519
								1507 1509	33.791 33.879	0.1642
								1511	33.879	0.2166
								1513	32.236	0.2435
								1515	31.257	0.2697
								1517	29-996	0.2921
								1519	28.426	0.3162
								1521	26.847	0.3364
								1522	26.090	0.3461
								1523	24.911	0.3578
								1524	24.175	0.3668
								1525	23.256	0.3755
								1526	22.238	0.3838
								1527	21.458	0.3938
								1528	21.127	0.4016
								1529	20.217	0.4092
								1530	19.286	0.4182
								1531	18.441	0.4251
								1532	17.610	0.4317
								1533	16.827	0.4380
								1534	16.458	0.4456
								1536	15.301	0.4572
								1538	14.017	0.4693
								1540	13.174	0.4793
								1542	12.140	0.4897
								1544	11. 253	0.4983
								1546	10.420	0.5072
								1548	9.583	0.5145
								1550	9.012	
								1550	9.012 8.454	0.5222 0.5286
								1554	7.859	0.5353
								1556	7.454	0.5409
								1558	6.983	0.5468
								1600	6.500	0.5524
								1602	6.099	0.5524
								1604	5.731	0.5619
								1606	5.438	0.5660
								1608	5.107	0.5703
								1610	4.762	0.5739
								1610 1612	4.762	0.5739
								1612	4.241	0.5809
								1619	3.723	0.5889
								1624	3.286	0.5956
								1629 1634	2.869	0.6015
								1634	2.524	0.6069
								1644	1.990	0.6154
								1649	1.778	0.6192
								4650	4 525	
								1654 1659	1.532 1.381	0.6224 0.6252
								1704	1. 287	0.6279
								1709	1.083	0.6302
								1720	0.913	0.6345
								1730	0.689	0.6377
								1740	0.689	0.6401
								1750	0.433	0.6420

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.023445.



RIESEL (WACO), TEXAS WATERSHED W-10

LOCATION: Falls Co., Texas; 19 mi. SP of Waco; Brazos River Basin.

AREA: 19.70 acres

HC	ORTHL'	PRECIP	ITATION	AND BU	NOPP (inches	5)		R.	IESEL	(WACO)	TEXAS	WATER	SHED W	-10		
		Jan	Feb	Bar	Δp	r	May	Jun	Jul	Aug	g :	Sep	0ct	Nov	De	c	Annual
1971	P Q	0.0	1.33	0.26	3.	20 0	1.86	1.59	9.78 0.450			2.74	3.91 0.897	4.68		14 390	41.26 9.709
STA AV	P Q	2.01 0.452	2.68 0.518	2.27 0.55		99 937	3.77 0.873	3.27 0.567	1.63			2.65 0.182	2.87 0.289	2.94 0.52		48 584	32.95 5.711
	ANN	JAL MAXI Maxi Disch	sun					laxinus	Volume	for Se	electe	Time	Interva	1			Days
	ARB		sum arge	CHARGE 1 Ho Date	ur	2 E		laxinus	Volume urs		electe	Time		1	ays	8	Days Vol.
1971	ANN	Maxi Disch	sum arge Rate	1 Ho Date	ur Vol.	2 E Date	lours	aximum 6 Ho Date	Volume urs Vol.	for Se 12 Ho Date	elected ours Vol.	Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.
1971	ARN	Maxi Disch Date	sum arge Rate	1 Ho Date	ur Vol.	2 E Date 11-17	Hours	aximum 6 Hc Date	Volume ours Vol.	for Se 12 Bc Date	vol.	Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.

NOTES: Watershed conditions: 100% Coastal Bermudagrass for pasture. Good cover, moderately grazed, terraced. For map of watershed, see mydrologic Data for Experimental Agricultural Watersheds in the United States, 1963, USDA misc. Pub. 1164, p. 42.7-5 [sevised]. Precipitation and runoff records began Aug. 1936; station not in operation July 1934 to day 3, 1946; part-year amounts not included in averages. Precipitation and that obtained from rain gage W-6. For long-time precipitation records, see Rational Weather Service records at Macco, Texas.

1971	DA	ILY PRECI	PITATION	(inches)			RIESEL	(WACO), TE	XAS WATE	RSHED W-1	0	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 2	0.0	0.03E	0.01E	0.0	0.0	0.0	0.0	0.41	0.05B	0.0	0.0	1.00
3	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0
1 4	0.0	0.16	0.0	0.0 E	0.0	0.0	0.0	2.17	0.0	0.19	0.0	0.0
5	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.18	0.0	0.02E	0.0	0.70
6	0.0	0.0	0.0	0.0	0.07E	0.0	0.0	0.0	0.0	0.018	0.0	0.38
7	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.25	0.0	0.0	0.0	0.0
1 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.0	0.0	0.47
i 9	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.06E	0.0	3.57
10	0.0	0 . 0	0.0	0.0	1.12	0.0	0.0	0.0	0.0	0.0	0.0	0.04
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 12	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.75	0.028	0.0	0.0	0.0
1 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04B
1 14	0 - 0	0_0	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.14
15	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.05	0.0	0.0	0.0	0.0	0.0	0.07E	0.0	0.0
1 17	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	3.99	0.03E
1 18	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.32	0.0
1 19	0.0	0.0	0.0	0.0	0.0	0.01E	0.0	0.0	0.02E	0.95	0.0	0.0
20	0.0	0.0	0.0	0.72	0.29	0.0	0.0	0.0	0.0	1.43	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	1.06	2-40	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.042	0.0	0.0	0.0	0.0	0.87	0.0	0.37	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.02E	0.0	0.0
1 24	0.0	0.0	0.0	0.0	0.16E	0.0	2.46	0.0	1.25	0.0	0.0	0.0
25	0.0	0.87	0.08E	0.0	0.0	0.0	1.20	0.0 E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04E	0.28	1.31	0.0	0.0	0.19	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.03E	0.38	0.0	0.0	0.0	0.0 E	0.02E
29	0.0		0.0	0.22	0.0	0.0	1.35	0.0	0.0	0.0	0.0	0.01E
30	0.0		0.0	0.0	0.0	0.0	0.33	0.89	0.0	0.0	0.0	0.36
31	0.0		0.0		0.0		0.0	0.02B		0.0		0.38
TOTAL	0.0	1.33	0.26	3.20	1.86	1.59	9.78	4.77	2.74	3.91	4.68	7.14
STA AV	2.01	2.68	2.27	3.99	377	3.27	1.63	2.39	2.65	2.87	2.94	2.48

NOTES: For daily air temperatures in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are from rain gage W-6. Records began Aug. 1938; station not in operation July 1931 to fary J, 1946; part-year amounts not included in averages. STA AV based on 29 yr period. Estimate codes may indicate that non-significant event totals are included.

197	71	MEAN DAIL	Y DISCHAR	GE (cfs)			RIESEL	(WACO), T	EXAS WAT	ERSHED W-	10	
Day	Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	Oct	NoA	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.301
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.021
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.131	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.021	0.0	0.0	0.0	0.315
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.097
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.017
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.647
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.228
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.561	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.570	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.742	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.026	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.263	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.064	0.0	0.0	0.0	0.0	0.002
31	0.0		0.0		0.0		0.0	0.0		0.0		0.001
BAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0120	0.0373	0.0	0.0239		0.117
NCHES	0.0		0.0	0.0	0.0	0.0		1.397	0.0	0.897	2.575	4.39
TA AV	0.452	0.518	0.552	0.937	0.873	0.567	0.099	0.134	0.182	0.289	0.526	0.58

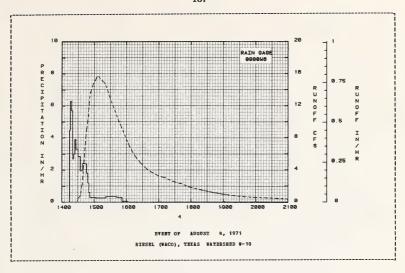
BOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 1.208206. Records began Aug. 1938; station not in operation July 1943 to May 3, 1946; part-year amounts not included in averages. STA AV based on 29 yr period.

ANTECEDENT					INPALL			RUBOF	P	
	nfall ches)	Runoff (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			E	VENT OF	AUGUST	4, 1971				
RG 00	00#6			RG 000	086					
8- 4	0.0	0.0	8- 4	1414	0.0	0.0	8- 4	1425	0.009	0.0
				1416	4.5002	0.15		1426	0.016	0.0
				1418	6.2998	0.36		1427	0.028	0.0
				1420	5.7000	0.55		1428	0.066	0.0
				1422	2.7004	0.64		1429	0.188	0.0001
WATERSHED COND										
100% Coastal Be:	rmudagr	ass		1424	2.9997	0.74		1430	0.423	0.0004
pasture, 4 to 6	inches	high,		1426	3.9002	0.87		1431	0.554	0.0008
good cover-				1430	3.3000	1.09		1432	0.637	0.0013
				1434	2.8500	1.28		1433	0.715	0.0018
				1438	1.9498	1.41		1434	0.829	0.0026
				1442	2.4001	1.57		1435	1.063	0.0033
				1446	2.4001	1.73		1436	1.442	0.0043
				1448	1.8000	1.79		1437	2,126	0.0057
				1450	1-1998	1.83		1438	2-179	0.0078
				1452	0.6001	1.85		1439	3.267	0.0099
				1502	0.3000	1.90		1440	4.282	0.0129
				1522	0.2700	1.99		1441	5.020	0.0166
				1542	0.3600	2.11		1442	5.799	0.0219
				1552	0.3000	2.16		1443	6.788	0.0269
				1602	0.0601	2.17		1444	7.605	0.0326
				1607	0.0	2.17		1445	8.481	0.0405
								1446	9.012	0.0474
								1447	9.473	0.0547
								1448	10.026	0.0624
								1449	10.733	0.0726
								1450	11.842	0.0815
								1451	12.653	0.0911
								1452	13.267	0.1013
								1453	13.703	0.1146
								1455	14.080	0.1365

NOTES: To convert runoff in CFS to IM/HB, multiply by 0.050342.

SELECTED RUBOFF FYENT ANTECEDENT CONDITIONS Date Rainfall Runoff Date Time Intensit: Ro-Day (inches) (inches) 80-Day of Day (in/hr)							RIESEL (WACO), TRIAS WATERSHED W-10				
ANTECEDENT CONDITIONS			RAINFALL Transit			ALL	100	Dodo	RUBOP	P	
Ho=Dav	(inches)	(inches)	Bot Dave		f Day	(in/hr)	(inches)	Mom Day	of Daw	(cfc)	ACC.
							(THORES)	no bay	or pay	(015)	(Inches)
							1 (CONTI				
			BVBHT	UP	MUGUST	4, 197	(CONTL				
								8- 4	1457	14.494	0.1618
									1459	14.847	0.1849
									1502	15,203	0.2233
									1505	15.661	
									1508	15.661	0.3028
									1511		0.3394
									1515	15. 138	0.3934
									1520	14.815	0.4552
									1525	13.954	
									1530	12.897	0.5727
									1535	12.020	0.6241
									1540	11.166	0.6720
									1545	10.250	0.7183
									1550	9.500	0.6720 0.7183 0.7591
									1555	8.665	0.7966
									1600	7.808	0.8322
									1605		0.8629
									1610	6.405	0.8907
									1615		0.9172
									1620	5.393	0.9405
									1625		0.9619
									1630		0.9826
									1635	4.302	1.0010
									1640	3.999	1.0181
									1645	3.782	1.0349
									1650	3.607	1.0502
									1655		1.0647
									1700		1.0791
									1713		1. 1128
									1728	2,535	1.1476
									1743		1.1778
									1758	1.849	1.2037
									1818		1.2317
									1838		1.2549
									1858	0.995	1.2736
									1918	0.785	1.2885
									1938	0.669	1.3008
									1958	0.577	1.3112
									2018	0.520	1.3204
									2038	0.452	1.3286
									2058		1.3356
									2118	0.314	1.3414
									2138	0.266	1.3463
									2158	0.225	1.3504
									2218	0.193	1.3539
									2238		1.3570
									2258	0.156	1.3598
									2328	0.133	1.3634
									2400	0.112	

HOTES: To convert rumoff in CFS to IM/HE, multiply by 0.050342.



LOCATION: Palls Co., Texas; 17 mi. SE Waco; Brazos Basin.

AREA: 309.00 acres

		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	How	Dec		Annual
	P	0.01	1.64	0.29	3.33	3 2.18	1.41	10.86	2.95	2.19	4.21	4.86	7.0	8	41.00
1971	Q	0.0	0.0	0.0	0.0	0.0	0.0	0.890	0.295	0.000	0.305	1.694	3.7	28	6.912
TA AV	P	2.10	2.66	2.31	3.90	3.81	3.39	1.76	2.06	2.57	2.71	2.82	2.4	8 .	32.58
	Q	0.479	0.541	0.573	3 0.76	66 0.710	0.541	0.145	0.052	0.096	0.098	0.354	0.4	33	4.788
	AHH			CHARGE	(in/hr)	AND BAXIBUR							INTERV	ALS	
	AHH	Baxi	.nun				daxiaum	Volume fo	r Select	ed Time	Interva	1			
	ABBI	Baxi	.mum arge	1 Bot Date	ır		daxiaum	Volume fo		ed Time		1	ys	8 :	Days Vol.
1971	AHH	Hawi Disch	sum arge Rate	1 Hot Date 1	ir 701. E	2 Hours	fariaua 6 Ho Date	Volume for	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Da	ys Vol.	8 : Date	Vol.
1971	ABBI	Hawi Disch Date	sum arge Rate	1 Hot Date 1	ir 701. E	2 Hours Date Vol.	faximum 6 Hc Date 12- 9	Volume for	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Da	ys Vol.	8 : Date	Vol
1971	AHH	Hawi Disch Date	sum arge Rate	1 Bot Date V	o.983 11	2 Hours Date Vol.	faximum 6 Hc Date 12- 9	Volume fours Vol. Da 1.637 12 BRIOD OF 1	r Select 2 Hours te Vol.	ed Time 1 Date 5 12- 9	Interva Day Vol.	1 2 Da Date	ys Vol.	8 : Date	Vol.

NOTES: Vatershed conditions: 58% pasture; 10% cotton; 16% fall planted small grain, largely onts; 15% row grain sorghum; 1% gravel and paved roads. Cropland terraced, contour cultivation. Bo change in conservation practices. For map of vatershed, see Hydrologic Data for Experimental Agricultural Vatersheds in the United States, 1964, USDA Misc. Pub. 1194, p. 42.11-5 (Revised). Practicitation and runoff records began May 1937; station not in operation July 1933 to May 1, 1964; part-year asourts not included in averages. Precipitation att from Thiesens weighted method using rain usque 69, 638, 70, 753, 683, 69, and 8-23. For long-time precipitation records, see Sational Weather Service records at Paco, Peace.

1971	DA	ILY PRECI	ROITATION	(inches)			RIES	EL (WACO),	TEXAS	WATERSHED	Y	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.02E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.04E	0.05E	0.0	0.0	0.0	0.0	0.37	0.03E	0.0	0.0	1.00
3	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0
4	0.0	0.15	0.0	0.0 E	0.0	0.0	0.0	0.94	0.0	0.21	0.0	0.0
5	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.22E	0.0	0+03B	0.0	0.68
6	0.0	0.0	0.0	0.0	0.20E	0.0	0.0	0.0	0.0	0.01E	0.0	0.51
7	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.24	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13E	0.0	0.0	0.58
9	0.0	0.0	0.0	0.0	0.08E	0.0	0.0	0.0	0.0	0.08B	0.0	3.19
10	0.0	0.0	0.0	0.0	1.03	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	0.0	0.0	0.0	0.0	0_0	0.0	0_0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.75	0.02E	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13E	0.0	0.0	0.0	0.17
15	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.07	0.0	0.0	0.0	0.0	0.0	0_08E	0.0	0.0
17	0.0	0.0	0.0	0.14E	0.0	0.0	0.0	0.0	0.0	0.0	4.12	0.03E
18	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	0.0
19	0.0	0.0	0.0	0.0	0.0	0.06B	0.0	0.0	0.01E		0.0	0.0
20	0.0	0.0	0.0	0.82	0.57	0.0	0.0	0.0	0.0	1.71	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	0.44	3.86	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05E	0.0	0.18E	0.0	0.0	0.79	0.0	0.45	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.01B	0.0	0.0
24	0.0	0.0	0.0	0.0	0.13E	0.0	1.94	0.0	1.21	0.0	0.0	0.0
25	0.0	1-10	0.08E	0.0	0.0	0.0	1.52	0.04E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.16	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04E	0.34	1.41	0.0	0.0	0.12	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.04E	0.52	0.0	0.0	0.0	0.00E	0.038
29	0.0		0.0	0.22	0.0	0.0	1.13	0.0	0.0	0.0	0.0	0.01B
30	0.0		0.0	0.0	0.0	0.0	0.23	0.18	0.0	0.0	0.0	0.40
31	0.0		0.0		0.03E		0.0	0.09E		0.0		0.40
TOTAL	0.01	1.64	0.29	3.33	2.18	1.41	10.86	2.95	2.19	4.21	4.86	7.08
STA AV	2.10	2.66	2.31	3.90	3,81	3.39	1.76	2.06	2.57	2.71	2.82	2.48

NOTES: For daily air temperatures in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are Thiessem weighted average of rain gages 69, 69B, 70, 75A, 80A, 89, and W-2A. Pecords began Bay 1937; station not in opporation July 1943 to kay 1, 1946; part-year amounts not included in averages. STA AV based on 30 yr period. Estimate codes may indicate that mon-significant event totals are included.

197	71	MEAN DAIL	Y DISCHAR	GE (cfs)			RIES	BL (WACO)	, TEXAS	WATERSHE	D Y	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009	0.0	0.0	0.004	0.021
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.037	0.0	0.0	0.003	1.66
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.0	0.0	0.001	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.594	0.0	0.0	0.0	0.05
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.522	0.0	0.0	0.002	2.77
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.104	0.0	0.0	0.002	2.99
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.211	0.0	0.0	0.001	0.43
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.038	0.0	0.0	0.0	0.36
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.013	0.0	0.0	0.0	33.50
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	3.17
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.289
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.102	0.0	0.0	0.0	0.19
13	00	0.0	0.0	0.0	0_0	0.0	0.0	0.121	0.0	0.0	0.0	0.16
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.029	0.0	0.0	0.0	0.340
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.011	0.0	0.0	0.0	0.21
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.12
17	0.0	0.0	0.0	0.0	0.0		0.0	0.004	0.0	0.0	16.717	0.11
18	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	4.606	0.09
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.060	0.10
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.824	0.033	0.09
21	0.0	0.0	6.0	0.0	0.0	0.0	0.073	0.0	0.0	0.026	0.025	0.07
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.014	0.111	0.07
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.011	0.201	0.07
24	0.0	0.0	0.0	0.0	0.0	0.0	0.228	0.0	0.001	0.010	0.044	0.07
25	0.0	0.0	0.0	0.0	0.0	0.0	2.937	0.0	0.0 T	0.009	0.038	0.08
26	0.0	0.0	00	0.0	0.0	0.0	0.013	0.0	0.0	0.011	0.039	0.07
27	0.0	0.0	0.0	0.0	0.0	0.0	1.862	0.0	0.0	0.023	0.028	0.08
28	0.0	0.0	0.0	0.0	0.0	0.0	0.884	0.0	0.0	0.007	0.029	0.07
29	0.0		0.0	0.0	0.0	0.0	3.814	0.0	0.0	0.007	0.024	0.07
30	0.0		0.0	0.0	0.0	0.0	1.699	0.0	0.0	0.006	0.020	0.67
31	0.0		0.0		0.0		0.044	0.0		0.004		0.16
AN	0.0	0.0	0.0	0.0	0.0	0.0	0.3727	0.1236	0.0001	0.1275	0.7329	1.56
CHES	0.0	0.0	0.0	0.0	0.0	0_0	0.890	0.295	0.000	0.305	1.694	3.7
A AV	0-479	0.541	0.573	0.766	0.710	0.541	0.145	0.052	0.096	0.098	0.354	0.4

NOTES: To convert mean daily discharge in CFs to IM/DAY, multiply by 0.077028. Records began Hay 1937; station not in operation July 1943 to Hay 1, 1946; part-year amounts not included in averages. STA AV based on 30 yr period.

ANTECEDE	NT CONDIS	PIONS		RA:	INPALL			RUNOF		
Ho-Day	Rainfall (inches)	(inches)	Ho-Day	of Day	Intensity (in/hr)	(inches)	Mo-Day	of Day	Rate (cfs)	(inches)
					EMBER 17 -					
						,				
11-17 RG	000070	0.0	11-17	RG 0000	0.0	0.0	11-17	1940	0.042	0.0
11-17	0.0	0.0	11-17	1916	0.0	0.04	11-17	1940	0.042	0.0
				1918	0.3999 1.2005	0.04		1942		0.0
				1920	0.5995	0.10		1946		0.0
				1923	0.2002	0.11		1948	0.134	0.0
WATERSHED C	ONDITTONS.			1,723	0.2002	0.11		1,740	0.134	0.0
58% pasture.				1924	1.8004	0.14		1950	0.181	0.0
and native q				1926	0.9002	0.17		1952	0.198	0.0
cover. moder	ately gras	ed:		1930	1. 1998	0.25		1956	0. 199	0.0
cover, moder 14% fall pla inches high;	nted oats.	2		1931	1-2005			1959	0.185	0.0
inches high:	27% tille	d.		1934	0-1999			2002	0.199	0.0
bare: 1% gra	vel roads.				1555				155	
Cropland ter				1936	0.2999	0.29		2005	0.232	0.0
on contour.				1938	0.8998	0.32		2008	0.256	0.0
				1940	3.9011	0.45		2011	0.290	0.0
				1942	10.7977			2014	0.320	0.0
				1944	3.0009	0.91		2017	0.338	0.0001
				1946	0.2998			2021	0.334	0.0002
				1949	0.1999			2026	0.326	0.0003
				1950	1.2005	0.95		2031	0.334	0.0004
				1952	0.6003			2036	0.348	0.0005
				2000	0.1500	0.99		2041	0.398	0.0006
				2004	0.4500	1.02		2046	0.420	0.0007
				2010	0.1000	1.03		2051	0.420	0.0008
				2116	0.0091			2056	0.437	0.0009
				2118	0.9002	1.07		2101	0.456	0.0010
				2120	2.3995	1.15		2106	0.487	0.0011
				2122	2.1007	1.22		2111	0.562	0.0012
				2124	2.0993	1.29		2116	0.615	0.0014
				2126	3.0009	1.39		2118 2120	0.612	0.0015
				2130	3.0009 2.5494 1.8004	1.56		2120	0.691	0.0016
				2132	1.8004	1.62		2122	0.700	0.0017

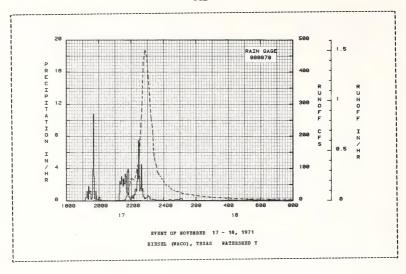
HOTES: To convert runoff in CPS to IM/HR, multiply by 0.003210.

1 SELE	CTED KUNOI	PF EVENT				RIESEL	(WACO), T	BEAS WAS	PERSHED Y	
ANTECEDE	HT CONDIT	TIONS		RAI	NPALL			RUHOI		
Date Eo-Day	Rainfall (inches)	Runoff (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches
			EAERL OL	NOVEMBER	17 - 18,	1971 (CO	STINUED)			
			11-17	2134	2.6993	1.71	11-17	2124	0.804	0.0018
				2136	2.1007 2.0993	1.78 1.85		2126 2128	0.975 1.018	0.0019
				2140	3.3008	1.96		2130	1.238	0.0021
				2142	2.9995	2.06		2132	1.492	0.0022
				2144	1.5005	2.11		2134	1.767	0.0024
				2146 2148	0.8998 3.6007	2.14		2136 2138	2.339 2.956	0.0026
				2150	3.8993	2.39		2139	4. 126	0.0031
				2152	3. 6007	2.51		2140	5.849	0.0034
				2156	0.4500	2.54		2141	8.471	0.0038
				2200	0.1501 0.2999	2.55		2142	10.702	0.0044
				2204	0.6000	2.56 2.58		2143	12.017 14.169	0.0050
				2206	0.5998	2.60		2145	15.324	0.0066
				2210	0.3001	2.62		2146	16.897	0.0074
				2215 2220	0.7199 1.4402	2.68		2147 2148	17.794 18.632	0.0083
				2222	1. 2001	2.80		2148	21.528	0.0092
				2224	2.3995	2.92		2150	24.917	0.0117
				2226	3.9011	3.05		2151	32.705	0.0131
				2228	2.6993	3.14		2152	40.117	0.0149
				2230	7.4984 3.0009	3.39		2153	45.153 48.502	0.0176
				2234	1. 1995	3.53		2157	52.942	0.0280
				2236	1.5005	3.58		2158	59.427	0.0308
				2238 2240	1.7995	3.64		2159 2201	65.758	0.0339
				2242	4.5009 1.2000	3.83		2201	68.547 68.794	0.0415
				2244	1.5005	3.88		2204	€7.203	0.0527
				2246	0.5995	3.90		2206	66.478	0.0594
				2250	0.4500	3.93 3.95		2211	63.634	0.0765
				2255	0.2401	3.95		2214	71.169 78.112	0.0875
				2305	0.6001	4.03		2220	88.176	0.1133
				2310	0.4799	4.07		2222	96.920	0.1226
				2320	0.1800	4.10		2224	104.931	0.1340
				2330 2340	0.1200	4.12		2228	113.597 122.210	0.1450 0.1583
				2400	0.0600	4.15		2230	135,560	0,1728
			11-18	20	0.0	4.15		2231	145.939	0.1799
				30	0.1200	4.17		2232	159.653	0.1876 0.1959
				50	0.1200	4.17		2234	172.224	0. 2073
				100	0.1199	4.21		2235	213.019	0.2174
				110	0.2401	4.25		2236	229.474	0.2285
				200 300	0.0	4.25 4.25		2237 2238	242.242	0.2403 0.2559
				400	0.0300	4.25		2239	267.864	0.2559
				430	0.0600	4.31		2240	281.198	0.2828
				510	0.0300	4.33		2241	310.094	0.2976
				530 600	0.0900	4.36		2242	335.298 368.127	0.3178
				630	0.0200	4.40		2243	391.186	0.3544
				640	0.1200	4.42		2245	411.969	0.3796
				700	0.0300	4.43		2246	431.635	0.4008
								2248 2250	447.742 459.991	0.4449
								2252	467.372	0.5426
								2253	467.372	0.5719
								2254	461.540	0.5952
								2256 2258	454.989 445.470	0.6412
								2300	429.051	0.7413
								2302	406.259	0.7832
								2304	384.990	0.8278
								2306 2308	360.216 333.120	0.8652 0.9043
								2310	306.269	0.9364
								2312	281.477	0.9696
								2314	260.438	0.9968
								2316	246.012	1.0254
								2320	217.404	1.0750
								2321	202.875	1.0855

NOTES: To convert runoff in CPS to IM/BR, multiply by 0.003210.

								RUROI		
Date	ENT CONDIS Rainfall	Runoff	Date	Time	BFALL Intensity	Acc.	Date	Time	Rate	Acc.
No-Day	(inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	No-Day	of Day	(cfs)	(inches)
			BVENT OF	BOVEMBER	17 - 18,	1971 (CO	STINUED)			
							11-17	2322	185,450	1.0952
								2323	162.879	1.1061
								2324 2325	145.054	1.1138
								2325	133.380	1.1277
								2329	122.210	1.1485
								2332	114.850 101.440	1.1678
								2338	85.395	1.2006
								2341	85.829	1.2135
								2344	79.475	1.2270
								2347	75.304	1.2396
								2350	75.304	1.2519
								2353	67.811	1.2636
								2356	64.690	1.2736
								2400	61.107	1.2878
							11-18	3	56.917	1.2967
								6	51.132	1.3055
								11	45.790	1.3183
								18	45.425	1.3355
								21	42.234	1.3426
								26	37.681	1.3531
								31 36	33.938 32.208	1.3630
								41	31.785	1.3717
								46 56	28.812 26.905	1.3885
								106	23.484	1.4168
								116	21.006	1.4288
								126	20.292	1.4397
								146	17.207	1.4599
								206	14.718	1.4769
								226	12.897	1.4916
								256 326	10.207	1.5101
								326	8.605	1.5252
								356	7.025	1.5377
								426	5.558	1.5478
								456 526	4.733	1.5561
								526 556	4.376	1.5634 1.5703
								626 656	3.756 3.660	1.5767 1.5827
								726	3.871	1.5887
								756	3.519	1.5946
								826	3.192	1.6000
								856	2.876	1.6049
								926	2.536	1.6092
								956	2.151	1.6130
								1026 1056	1.961	1.6163 1.6193
								1126	1.528	1.6219
								1156 1226	1.388 1.263	1.6242
								1226	1.263	1.6263 1.6282
								1326	0.934	1.6298
								1400	0.794	1 6210
								1400 1500	0.794	1.6314
								1600	0.529	1.6356
								1700	0.427	1.6371
								1800	0.354	1.6384
								1900	0.285	1.6394
								2000	0.241	1.6402
								2100	0.209	1.6409
								2200 2300	0.176 0.154	1.6415

HOTES: To convert runoff in CPS to IN/HR, multiply by 0.003210.



LOCATION: Falls Co., Texas; 18 mi. SE Waco; Brazos River Basia.

AREA: 132.00 acres

10	BIHLY	PRECIPI	TATION	AND RU	INOPP	(inches	i)			RIESBL ((ACO), 1	EXAS W	ATERSHEL	1-2	
		Jan	Peb	Ħar	A	r	Hay	Jun	Jul	Aug	Sep	0ct	How	Dec	Annual
1971	IP Q	0.01	1.59	0.30	0.		2.19 0.0	1.38	10.91 0.820	2.89 0.194	2.13 0.0	4.23 0.335	4.98 1.876	6.95 3.851	40.91 7.076
STA AV	P Q	2.11 0.428	2.69 0.580	2.56 0.71			4.29 1.069	3.33 0.550	1.80 0.144	2.08 0.050	2.67 0.088	2.69 0.117	2.98 0.374	2.61 0.535	33.77 5.544
	ABRU	AL MAXIE		CHARGE	(in/hr) AND			S OF RUB					MTERVALS	
		Dischar Date E	rge	1 Ho Date			Vol.	6 Ho	urs		1			s a	B Days te Vol.
1971		11-17 1	910	11-17	1.149	11-17	1.510	12- 9	1.963 12	9 2.36	7 12- 9	2.992	12- 8 3	.200 12-	2 3.749
						e	AXIBUBS	FOR PE	RIOD OF	RECORD					
		5- 1 4 1944	.070	5- 1 1944	3.110	5- 1 1944	5.470	5- 1 1944		- 1 7.28 944	90 5- 1 1944		4-30 9 1944	.640 4-1 19	29 10.600

MOTES: Watershed conditions: 20% cotton; 10% fall planted small grain, largely outs; 26% row grain sorghus; 35% conditions: 20% cotton; 10% row grain sorghus; 35% conditions are represented by the conditions of the conditions of

971 DJ	TLI FRECI	PITATION	(inches)			RIESI	EL (WACO),	TEXAS	WATERSHED	¥-2	
y Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0.0	0.0	0.0	0.02B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
											0.98
											0.0
											0.0
0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.20	0.0	0.03E	0.0	0.67
0.0	0.0	0.0	0.0	0.16E	0.0	0.0	0.0	0.0	0.01E	0.0	0.49
											0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.60
						0.0	0.0	0.0		0.0	3.07
0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.02
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.78	0-02E	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06E
0.0											0.17
0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	2.08	0_0	0.0	0.0	0.0	0.0	0.092	0.0	0.0
0.0	0.0	0.0	0.15				0.0				0.03E
	0-20			0-0							0.0
											0.0
0.0	0.0	0.0	0.84	0.60	0.0	0.0	0.0	0.0	1.69	0.0	0.0
0.0	0.15	0.0	0.0	0.0	0.44	3-98	0-0	0-0	0.0	0.0	0.0
											0.0
											0.0
											0.0
0.0	1.06	0.08E	0.0	0.0	0.0	1.52	0.04E	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-15	0.0	0.0
0.0	0.0	0.0	0.0	0.04E							0.0
											0.03E
											0.01E
					0.0			0.0			0.40
0.0		0.0		0.04E		0.0	0.088	0.0	0.0		0.40
0.01	1.59	0.30	3.34	2-19	1.38	10.91	2.89	2, 13	4-23	4.98	6.95
	2-69	2-56	3-96	4.29	3.33			2-67	2.69		2.61
	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

HOTES: For daily air temperatures in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are Thiessem weighted average of rain gages 69, 698, 70, 754, and 84A. Records began Jan. 1, 1939. STA AV based on 33 yr period. Estimate codes may indicate that non-significant event totals are included.

197	1	HEAR DAIL	Y DISCHAR	GE (cfs)			RIESI	EL (WACO)	, TEXAS	WATERSHE	D Y-2	
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
4	0.0	0.0	0.0	0.0	0.0	0.0		0.749	0.0	0.0		0.00
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.148	0.0	0.0	0.0	1.14
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.022	0.0	0.0	0.0	1.22
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.068	0.0	0.0	0.0	0.12
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.06
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.54
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1. 19
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.043	0.0	0.0	0.0	0.01
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.043	0.0	0.0	0.0	0.01
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	r 0.0		0.0	0.0	0.08
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.387	0.00
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.934	0.00
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.00
20	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0	1.856	0.0	0.00
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.00
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.020	0.00
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.061	0.00
24	0.0	0.0	0.0	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.001	0.00
25	0.0	0.0	0.0	0.0	0.0	0.0	1.225	0.0	0.0	0.0	0.0	0.00
26	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0 T	0.00
27	0.0	0.0	0.0	0.0	0.0	0.0	0.709	0.0	0.0	0.0	0.0	0.00
28	0.0	0.0	0.0	0.0	0.0	0.0	0.358	0.0	0.0	0.0	0.0	0.00
29	0.0		0.0	0.0	0.0	0.0	1.440	0.0	0.0	0.0	0.0	0.00
30	0.0		0.0	0.0	0.0	0.0	0.799	0.0	0.0	0.0	0.0	0.22
31	0.0		0.0		0.0		0.007	0.0		0.0		0.01
EAH	0.0	0.0	0.0	0.0	0.0	0.0	0.1468		0.0	0.0599	0.3468	0.68
CHES		0.0					0.820	0.194		0.335	1.876	3.8
	0.428	0.580	0.718		1.069		0.144		0.088		0.374	0.5

NOTES: To convert mean daily discharge im CFS to IM/DAY, multiply by 0.180316. Becords began Jan. 1, 1939. STA AV based on 33 yr period.

1 SELECTED RUNG				NPALL			RUNOP		
Date Rainfall	Eunoff	Dato	Time	Intensity	No.	Date		Rate	Acc.
	(inches)	Bo-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
		EVE	HT OF NOVE	MBER 17 -	18, 1971				
RG 000069			BG 0000						
11-17 0.0	0.0	11-17	1910	0.0	0.0	11-17	2143	0.0	0.0
			1914	0.7501	0.05		2144	0.0	0.0
			1916	0.6000	0.07		2145	0.003	0.0
			1918	1.5005	0.12		2146	0.009	0.0
			1920	0.2998	0.13		2147	0.023	0.0
ATTESHED CONDITIONS	:								
% pasture, Bermudag	rass and		1922	0.6003	0.15		2148	0.043	0.0
tive grass, good co			1924	1-1995	0.19		2149	0.100	0 - 0
derately grazed; 38	% til-		1926	1,2005	0.23		2150	0.166	0.0
d. bare: 26% fall p			1928	1, 1995	0.27		2151	0.259	0.0
all grain, 2 inches			1929	0.0	0.27		2152	0.418	0.0
gravel roads. Cro			1000	***			2.00		
rraced, cultivated			1930	1.7987	0.30		2153	0.684	0.0001
ntonr.	· ·		1936	0.2001	0.32		2154	0.964	0.0002
ncour.			1938	2.6993	0.41		2155	1,535	0.0003
			1940	5. 7015	0.60		2156	3. 169	0.0006
			1942	7. 1986	0.84		2157	12.766	0.0018
			1942	7. 1900	0.04		2157	12.700	0.0010
			1944	2.7005	0.93		2158	17.645	0.0036
			1946	0.5995	0.95		2159	18.389	0.0057
			1950	0.3001	0.97		2201	19,655	0.0107
			1952	0.6003	0.99		2203	20.559	0.0154
			2000	0.1500	1.01		2205	21.148	0.0209
			2004	0-2998	1.03		2207	21.943	0.0260
			2010	0-1001	1.04		2209	23,497	0.0320
			2100	0.0120	1.05		2210	24.671	0.0348
			2118	0.0333	1.06		2211	27,009	0.0378
			2120	1,2000	1. 10		2212	32.149	0.0421
									/
			2122	1.8004	1, 16		2213	40.337	0.0464
			2124	2.3995	1.24		2214	45.906	0.0515
			2126	2.7005	1.33		2215	51.007	0.0586
			2128	2.0998	1.40		2216	55.361	0.0648
			2130	2.3995	1.48		2217	63,368	0.0048

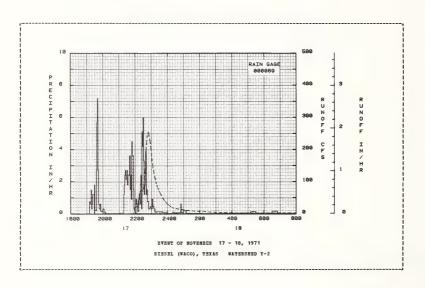
NOTES: To convert runoff in CFS to IM/HR, multiply by 0.007513.

		P EVENT						EXAS WAT		
ANTECRI	ENT CONDIT	TIONS Runoff	Date	RAII Time	FALL Intensity	Acc.	Date	RUNOF Time	P Rate	Acc.
No-Day	(inches)	(inches)	No-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			DE DEE OR	NOVEMBER	17 - 10	1971 (CO)	(MYNDEN)			
			11-17	2132	2.7005	1.57	11-17	2218	63.360	0.0795
			11-17	2132	1.7995		11-17	2219	67.369 69.301	0.0795
				2136	2.4006	1.63		2220	71.460	0.0978
				2138 2140	2.3995 2.4006	1.79 1.87		2221 2223	71.150 70.531	0.1062 0.1249
				2142 2144	3.5991 1.5005	1.99		2224 2226	69.505 70.018	0.1331 0.1495
				2146	2.3995	2.12		2228	72.392	0.1683
				2148	0.9002	2.15		2230	76.168	0.1879
				2150	4.4989	2.30		2232	84.590	0.2068
				2152	3.6007	2.42		2233	90.159	0.2171
				2154 2156	3.5995 1.5005	2.42 2.54 2.59		2234 2235	98.175 106.322	0.2309
				2200	0.2998	2.61		2236	117.306	0.2560
				2204	0.0	2.61		2237	129.716	0.2705
				2206	0.9002	2.64		2238	142.316	0.2905
				2208 2210	0.6000 0.6003	2.66 2.68		2239 2240	156.865 176.537	0.3081
				2214	0.1499	2.69		2241	193.007	0.3494
				2216	0.8998	2.72		2242	207.093	0.3788
				2218	1.2005	2.76		2243	217-468	0.4037
				2220	0.5995	2.78		2244	229.144	0.4299
				2222	1.8008	2.84		2245 2246	239.585	0.4643
				2224	0.3004	2.92		2247	251.517	0.4928
				2228	5.0989	3.10		2248	253.168	0.5516
				2230	4.1991	3.24		2249	254.160	0.5888
				2232	6.0014	3.44		2250	253.002	0.6186
				2234 2236	3.2993 1.2005	3.55 3.59		2251 2253	250.528 241.045	0.6482
				2238	1.7995 2.1003	3.65 3.72		2255 2257	229.622	0.7684
				2242	3.8993	3.85		2259	203.728	0.8770
				2244	1.2001	3.89 3.94		2301 2303	187.062 171.359	0.9286
				2250 2256	0.7501	3.99 4.02		2305 2307	155.345 142.049	1.0138
				2300	0.4499	4.05		2307	132.046	1.0487
				2304	0.3001	4.07		2311	124.595	1.1150
				2306	0.9002	4.10		2313	114.830	1.1466
				2310	0.4500	4.13		2315	105.723	1.1757
				2314 2320	0.3001	4.15		2317 2319	99.107 92.879	1.1997
				2330	0.1200	4.18		2321	87.804	1.2463
				2340	0.1199	4.20		2323	82.726	1.2688
				2400	0.0900	4.23		2325	79.691	1.2879
			11-18	20 26	0.0	4.23		2327 2329	74.481	1.3083
				30	0.0	4.24		2331	70.120 66.763	1.3253
				50	0.0600	4.26		2333	64.260	1.3588
				52	0.5997	4.28		2338	55.832	1.3976
				100	0.0751	4.29		2343	48-925	1.4299
				110 200	0.1800 0.0120	4.32		2348	41.937 36.157	1.4579
				300	0.0120	4.33		2358	32.302	1.5042
				400	0-0200	4.35		2400		1.5125
				430	0.0200	4.36	11-18	3	30.323 27.516	1.5125
				500	0.0400	4.38 4.38		8	24.601	1.5395
				510 520	0.0 0.1200	4.38		13 18	21.412 18.955	1.5537
				530 600	0.1199	4.42		23 33	17.387 15.613	1.5778 1.5981
				630	0.0200	4.44		43	14.102	1.6168
				650	0.1500	4.49		53 103	12.994 11.824	1.6339
								113	9.864	1.6629
								123 143	8.814 7.726	1.6747 1.6953
								203	7.189	1.7139
								223	5.897	1.7304
								243	4.707	1.7436
								303 323	3.816	1.7542
								343	3.169 2.668	1.7630
								403	2.240	1.7764

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.007513.

Date Rainfall Runoff Date Time Intensity Acc. Date Time Rate Bo-Day (inches) (inches) Ho-Day of Day (Inches) Ro-Day (inches) Ho-Day of Day (Day (CES) Bo-Day (Inches) Ro-Day of Day (CES) Bo-Day (
Ro-Day (inches) (inches) Ro-Day of Day (in/hr) (inches) Ro-Day of Day (cfs)		RAINFALL			
11-18					
11-18	- 40 1074 (COMMINIST)	PHE OF HOTTHERD 17 - 10	DESMIT OF HOM		
1.701 503 1.701 503 1.526 503 1.413 603 1.703 603 1.403 703 1.508 703 1.508 703 1.546 803 1.146	- 10, 1971 (COMITMORD)	SET OF HOVEBER 17 - 10,	PAPRI OL BOA		
1.504 1.503 1.504 1.505 1.503 1.506 1.503 1.413 603 1.403 703 1.508 704 705 705 705 705 705 705 705 705 705 705	11-18 423 1.908 1.				
503 1.526 533 1.413 603 1.363 633 1.363 703 1.504 803 1.504 803 1.465 833 1.366 903 1.739 1.012 1003 0.860 1033 0.734 1103 0.615 1130 0.509 1200 0.468 1300 0.253 1400 0.253 1400 0.253 1400 0.253					
553 1.413 603 1.359 633 1.403 703 1.508 733 1.508 733 1.454 803 1.465 803 1.346 803 1.346 803 1.346 803 1.346 803 1.346 803 1.346 803 1.012 1003 0.804 1103 0.615 1100 0.500 1200 0.500					
\$63 1.354 \$63 1.450 \$73 1.400 \$73 1.504 \$83 1.564 \$83 1.465 \$83 1.465 \$83 1.465 \$83 1.465 \$83 1.465 \$83 1.465 \$83 1.465 \$83 1.012 \$1003 0.860 \$1030 0.734 \$1103 0.615 \$1200 0.466 \$1300 0.253 \$1400 0.253 \$1400 0.253 \$1400 0.253 \$1400 0.253 \$1400 0.253 \$1400 0.253 \$1400 0.253 \$1400 0.253 \$1400 0.253					
1.594 803 1.594 803 1.465 833 1.396 903 1.179 933 1.012 1003 0.860 1033 0.734 1103 0.615 1130 0.509 1200 0.466 1300 0.356 1400 0.253 1400 0.253 1400 0.253					
1.594 803 1.594 803 1.465 833 1.396 903 1.179 933 1.012 1003 0.860 1033 0.734 1103 0.615 1130 0.509 1200 0.466 1300 0.356 1400 0.253 1400 0.253 1400 0.253	633 1.430 1.				
733 1.544 803 1.465 833 1.465 833 1.465 903 1.179 933 0.616 1003 0.686 1103 0.615 1100 0.506 1200 0.506 1200 0.506 1200 0.506 1200 0.506 1200 0.506 1200 0.506 1200 0.506 1200 0.506 1200 0.506 1200 0.506 1200 0.506 1200 0.506	703 1,508 1,				
1.346 903 1.179 933 1.012 1003 0.880 1103 0.891 1103 0.515 1130 0.599 1200 0.468 1300 0.356 1400 0.253 1400 0.253 1500 0.175 1500 0.131					
903 1.179 903 1.179 903 1.019 903 1.019 903 1.029 903 1.030 1.030 0.734 1103 0.515 1130 0.559 1200 0.466 1300 0.356 1400 0.253 1400 0.715	803 1,465 1,				
1.012 1003 .860 1003 .734 1103 0.734 1103 0.509 1200 0.486 1300 0.356 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.253 1400 0.175	833 1.346 1.				
1003 0.860 1033 0.734 1103 0.615 1130 0.509 1200 0.466 1300 0.356 1400 0.253 1500 0.175 1500 0.131					
1033 0.738 1103 0.615 1130 0.509 1200 0.468 1300 0.356 1400 0.253 1500 0.175 1500 0.133					
1103 0.615 1130 0.509 1200 0.486 1300 0.356 1400 0.253 1500 0.175 1500 0.113					
1130 0.509 1200 0.468 1300 0.356 1400 0.235 1500 0.175 1500 0.133					
1200 0.468 1300 0.356 1400 0.253 1500 0.175 1500 0.135 1500 0.135 1500 0.135 1500 0.137 1500 0.131 1700 0.102	1103 0.615 1.				
1300 0.356 1400 0.253 1500 0.175 1600 0.133 1700 0.102					
1400 0.253 1500 0.175 1500 0.131 1700 0.102					
1500 0.175 1600 0.133 1700 0.102					
1600 0.133 1700 0.102					
1700 0.102	1500 0.175 1.				
	1800 0.073 1.				
1900 0.052 2000 0.038					

MOTES: To convert runoff in CFS to IN/HR, multiply by 0.007513.



LOCATION: Falls Co., Texas; 18 mi. SE of Waco,; Brazos River Basin.

AREA: 16.30 acres

HC	NTHLY	PRECIP	ITATION	AND RUNOP	F (inche:	s)			RIESEL	(WACO), 1	EXAS W	ATERSHEI	₹-6	
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Ho v	Dec	Annual
1971	P Q	0.01	1.54 0.0	0.30	3.30 0.0	2.22 0.0	1.48	10.76 0.403	3.01 0.147	2.13 0.0	4.18 0.655	5.13 1.421	6.91 3.027	40.94 5.652
STA AV	P Q	1.96 0.279	2.73 0.350	2.24 0.394	3.94 0.631	3.83 0.740	3.52 0.544	1.80 0.121	2.12 0.048	2.69 0.094	2.90 0.221	2.95 0.366	2.44 0.377	33.11 4.165
	ABNU	AL MAXI		HARGE (in	/hr) AND					ches) FOR			HTERVALS	
		Disch: Date	arge	1 Hour Date ∀ol	. Date	Hours			12 Hour Date ₹o	s 1 1. Date	Day Vol.	2 Day Date V	s ol. Da	B Days te Vol.
1971		11-17	1.367 1	1-17 0.8	07 11-17	1.057	11-17	1.341 1	2- 9 1.	719 12- 9	2.308	12- 8 2	.551 12-	2 2.970
						MAXINUMS	FOR P	BRIOD OF	RECORD					
		6-10	3. 790	3-29 1.9	00 3-29	2.340	3-29 1965		3-29 3. 1965	130 3-29 1965	3.670	11-22 4	.870 4-	19 8.490

Legis: Reterated conditions: 33% row grain sorphus; 32 pasture; 28 gravel roads. Cropland terraced and contour relations to the control of th

1971	1 Da	ILY PRECI	PITATION	(inches)			RIES	BL (WACO),	TEXAS	WATERSHED	Y-6	
Day	Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.03E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.04E	0.06E	0.0	0.0	0.0	0.0	0.36	0.01E	0.0	0.0	0.97
3	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0
5	0.0	0.14	0.0	0.0 E	0.0	0.0	0.0	1.00	0.0	0.21	0.0	0.0
5	0.0	0.0	0.0	0.0	0.07E	0.0	0.0	0.18	0.0	0.03E	0.0	0.66
6	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.01E	0.0	0.49
7	0.0	0.0	0.0	0.0	0.03E	0.0	0.0	0.25	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.60
9	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.09E	0.0	3.03
10	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.04
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.80	0.02E	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13E	0.0	0.0	0.0	0.17
15	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.03	0.0	0.0	0.0	0.0	0.0	0.08E	0.0	0.0
17	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	4.40	0.03
18	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.27	0.0
19	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.01B	1.09	0.0	0.0
20	0.0	0.0	0.0	0.84	0.61	0.0	0.0	0.0	0.0	1.65	0.0	0.0
21	0.0	0.14	0.0	0.0	0.0	0.50	3,82	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05B	0.0	0.04E	0.0	0.0	0.77	0.0	0.46	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.01E	0.0	0.0
24 25	0.0	0.0	0.0	0.0	0.13E	0.0	1.91	0.0	1.22	0.0	0.0	0.0
25	0.0	1.03	0.09E	0.0	0.0	0.0	1.50	0.04E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04E	0.46	1.31	0.0	0.0	0.11	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.04E	0.45	0.0	0.0	0.0	0.0 E	0.04
29	0.0		0.0	0.21	0.0	0.0	1.25	0.0	0.0	0.0	0.0	0.02
30 31	0.0		0.0	0.0	0.0 0.04E	0.0	0.23	0.20	0.0	0.0	0.0	0.40
31	0.0		0.0				0.0	0.06E		0.0		0.41
TAL	0.01	1.54	0.30	3.30	2.22	1.48	10.76	3.01	2.13	4.14	5.13	6.91
A AV	1.96	2.73	2-24	3.94	3.83	3.52	1.80	2, 12	2.69	2.90	2.95	2.44

NOTES: For daily air temperatures is the vicinity, see table for Materahed C, p. 42.002-1. Precipitation values are Thiesens weighted average of rain gages 698 and 75.4. Secords began Jan. 1939; station not in operation July 1943 to Bay 1, 1947; part-year amounts not included in averages. STA AV based on 28 yr period. Estimate codes may indicate that non-significant event totals are included.

197	1	MEAN DAIL	Y DISCHAR	GE (cfs)			RIESI	RL (WACO)	TEXAS	WATERSHE	Y-6	
Day	Jan	Peb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0 T	0.0	0.0	0.0	0.029
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.071	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.016	0.0	0.0	0.0	0.107
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.135
7	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.012
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.579
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16
11	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.005
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.002
13	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.002
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004
16	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
17	0.0	0.0	0.0	0.0	0.0	0 - D	0.0	0.0	0.0	0.0	0.729	0.001
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.243	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.448	0.0	0.0
21	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.001	0.0
24	0.0	0.0.	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.054	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.027	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.012	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0-100	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.079	0.0	0.0	0.0	0.0	0.009
31	0.0		0.0		0.0		0.001	0.0	0.0	0.0	0.0	0.002
BAN	0.0	0.0	0.0	0.0	0.0	0_0	0.0089	0.0032	0.0	0.0145	0.0324	0.066
CBES	0.0	0.0	0.0	0.0	0.0	0.0	0.403	0-147	0.0	0.655	1.421	
EA AV	0.279	0.350	0.394	0.631	0.740	0.544	0-121	0-048	0-094	0.221	0.366	0.37

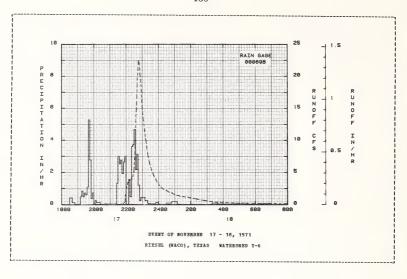
MOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 1.460224. Records began Jan. 1939; station not in operation July 1943 to May 1, 1947; part-year amounts not included in averages. STA AV based on 28 yr period.

ANTECEDE	NT CONDIT				NFALL			RUNOF		
Date	Rainfall	Runoff	Date	Time	Intensity (in/hr)	Acc.	Date	Time	Rate	
					(11/11)					
			E∀E	NT OF NOVE	BBER 17 -	18, 1971				
	00069B			EG 0006						
11-17	0.0	0.0	11-17	1830	0.0	0.0	11-17		0.0	0.0
				1840	0.4200	0.07		2125	0.001	0.0
					0.1200	0.09		2130	0.008	0.0
				1910	0.0	0.09		2135	0.020	0.0001
				1915	0.4799	0.13		2140	0.036	0.0002
ATERSHED C										
% fall pla				1920	0.8401	0.20		2145	0.078	0.0005
ches high;				1925	0.4799	0.24		2150	0.136	0.0010
rmudagrass				1930	0.7199	0.30		2155	0.346	0.0022
derately g				1935	0.6001	0.35		2156	0.523	0.0026
ads. Crop ltivated o	land terra n contour.	iced,		1940	1.0800	0.44		2157	1.300	0.0037
				1945	5-2794	0.88		2158	1.561	0.0051
				1950	2.7603	1.11		2200	1.853	0.0088
				1955	0.3600	1.14		2201	2.473	0.0109
				2000	0.7199	1.20		2202	2.557	0.0133
				2005	0.0	1.20		2203	2.746	0.0158
				2010	0.2401	1.22		2205	3.048	0.0220
				2025	0.1200	1.25		2207	3.417	0.0281
				2040	0.0	1.25		2209	3.665	0.0357
				2125	0.0400	1.28		2215	3.723	0.0585
				2130	1.3198	1.39		2220	3.939	0.0776
				2135	3.0002	1.64		2223	3.999	0.0899
				2140	2.5201	1.85		2225	4,302	0.0978
				2145	2.7596	2.08		2227	4.635	0.1074
				2150	1-9202	2.24		2229	5.085	0.1166
				2155	2.6402	2.46		2230	5.799	0.1231
				2200	2.9996	2.71		2231	6.572	0.1290
				2210	0.0	2.71		2232	7.032	0.1355
				2215	1.5599	2.84		2233	8.245	0.1428
				2220	0.4799			2234	9.337	0.1532
				2225	3.6003	3.18		2235	11.224	0.1630

NOTES: To convert runoff in CFS to IN/BR, multiply by 0.060843.

SEL	ECTED RUBO	PP BVBET				RIESEP ((WALU), T	EXAS WAT	DESCRIPTION 1-0	,
	ENT COMDIT	TIONS			NFALL			RUNOP	P	
Date Bo-Day	Rainfall (inches)	Runoff (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
				HOVEMBER		1971 (COR				
			11-17	2230	3.7195	3.49	11-17	2236	13.267	0.1746
				2235	4.6803	3.88		2237	14.049	0.1876
				2240	2.1602	4.06		2238 2239	14.750	0.2047
				2245 2250	3.1196 1.2001	4.42		2239	15.727 16.794	0.2192 0.2347
				2255	0.2399	4_44		2241	18.616	0.2515
				2310	0.4400	4.55		2242	19.750	0.2743
				2320	0.2400	4.59		2244	21.054	0.3131
				2350	0.0600	4.62		2245	22.126	0.3388
				2400	0.1200	4.64		2246	22.463	0.3600
			11-18	30	0.0	4.64		2248	22.089	0.4024
				50	0-0900	4.67		2250	21.274	0.4488
				110	0.1800	4.73		2252	20.217	0.4882
				320 340	0.0	4.73		225¢ 2256	19.464 17.851	0.5306
				440	0.0300	4.79		2258	16.190	0.6025
				510	V-0400	4.81		2300	14.815	0.6357
				530	0.0900	4.84		2302	13. 985	0.6631
				610	0.0	4.84		2305	12.958	0.7047
				655	0.0667	4.89		2308	11.723	0.7428
								2311	10.590	0.7746
								2314	9.887	0.8062
								2316	9.066	0.8265
								2318	8.560	0.8433
								2320	7.935	0.8609
								2323	7.279	0.8844
								2326	6.644	0.9043
								2329	6.123	0.9240
								2332	5.799	0.9424
								2335	5.260	0.9595
								2340	4.762	0.9845
								2345	4.282	1.0081
								2350	3.860	1.0284
								2355	3.474	1.0467
								2400	3. 175	1.0641
							11-18	5	2.904	1.0793
								10	2.694	1.0933
								20	2.324	1.1189
								30	2.163	1,1418
								40	1.898	1.1621
								50	1.778	1.1809
								100	1.532	1.1978
								110	1.408	1.2125
								120 130	1.300 1.209	1.2263
								140	1.145	1.2508
								150	1.108	1,2623
								200	1.009	1.2731
								216	0.886	1.2884
								231	0.768	1.3010
								246	0.633	1.3117
								301	0.543	1.3206
								321	0.427	1.3304
								341	0.358	1.3383
								401	0.308	1.3451
								421	0.249	1.3507
								441 501	0.241	1.3556
									0.198	1.3601
								601 701	0.188 0.157	1.3718
								801 901	0.157 0.122	1.3919
								1001	0.093	1.4069
								1001 1101	0.093	1.4069

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.060843.



LOCATION: Falls Co., Texas; 18 mi. SE of Waco; Brazos River Basim.

AREA: 40.00 acres

器の	NTBLY	PRECI	PITATIO	AND RU	NOFF (inches	3)			RIBSI	EL (WAC	O) , T	BXAS W	ATERSEE:	D Y-7	
		Jan	Peb	Har	Ap	г	Hay	Jun	Jul	Aug	g S	ep	0ct	¥o⊽	Dec	Annual
1971	P° Q	0.0	1.70	0.27 0.0	3.		2.26 0.0	1.44	10.45 0.820	3.1 0.3		.35	4.06 0.427	4.63 1.893	7.35 3.886	41.06 7.329
STA AV	P Q	1.99 0.328	2.77 0.481	2.27 0.56			3.84 0.883	3.49 0.644	1.76 0.131	2. 0.		- 64 - 146	2.91 0.196	2.98 0.474	2.47 0.484	33.34 5.295
	ANNU	AL HAX		CHARGE	(is/hr) AND							SELECTE		INTERVALS	
			arge	1 Ho Date			Vol.		ours	12 Ho Date	urs	1	Day Vol.	2 Da Date		8 Days te Vol.
1971		12- 9	1.256	12- 9	0.942	11-17	1.425	12- 9	1.927 1	2- 9	2.354	12- 9	3.079	12- 8	3.312 12-	2 3.878
						В	AXIMUBS	FOR P	ERIOD OF	BECOF	ł D					
		6-10 1941	3.590	4-19 1957	2.340	3-29 1965	2.960	3-29 1965	3.580	3-29 1965	3.840	3-29 1965	4.660	11-22 1940	5.370 4- 19	19 8.890 57

NOTES: Natershed conditions: 100% pasture, Bermudagrass, moderately grazed. For map of watershed, see Hydrologic Data for Experimental Agricultural Natersheds in the United States, 1964, USDA Rimor. Pub. 1194, p. 42.11-5 (Revised). Precipitation and runoff records began Jan. 1939; station not in operation from July 1943 to May 1, 1947; part-year amounts not included in averages. Precipitation data from Thiessem weighted method using rain gages 89 and W-2A. For long-time precipitation records, see National Weather Service records at Naco, Texas.

197	1 DI	AILY PRECI	PITATION	(inches)			RIES	EL (WACO),	TEXAS	WATERSHED	¥-7	
Day	Jan	Peb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.02E	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0
2	0.0	0.04E	0.03E	0.0	0.0	0.0	0.0	0.39	0.05B	0.0	0.0	1.07
3	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0
4	0.0	0.15	0.0	0.0 E	0_0	0_0	0.0	1-29	0.0	0.22	0.0	0.0
5	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.10E	0.0	0.03E	0.0	0.71
6	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0	0.01E	0.0	0.54
7	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.24	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.53
9	0.0	0.0	0.0	0.0	0.07E	0.0	0.0	0.0	0.0	0.07E	0.0	3.40
10	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.01
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.16
15	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.12	0.0	0.0	0.0	0.0	0.0	0.06E	0.0	0.0
17	0.0	0.0	0.0	0.16E	0.0	0.0	0.0	0.0	0.0	0.0	3.88	0.03
18	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	0.0
19	0.0	0.0	0.0	0.0	0.0	0.02E	0.0	0.0	0.01E	0.92	0.0	0.0
20	0.0	0.0	0.0	0.80	0.50	0.0	0.0	0.0	0.0	1.73	0.0	0.0
21	0.0	0.19	0.0	0.0	0.0	0.54	3.47	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0-06E	0.0	0.11E	0.0	0.0	0.82	0.0	0.44	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.01E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.13E	0.0	1.93	0.0	1.23	0.0	0.0	0.0
25	0.0	1.16	0.10E	0.0	0.0	0.0	1.49	0.02E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0
27	0.0	0.0	0.0	0.0	0.03E	0.29	1.34	0.0	0.0	0.12	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.04E	0.48	0.0	0.0	0.0	0.02E	0.04
29	0.0		0.0	0.24	0.0	0.0	1.28	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.24	0.20	0.0	0.0	0.0	0.40
31	0.0		0.0		0.03E		0.0	0.12E		0.0		0.41
OTAL	0.0	1.70	0.27	3.39	2.26	1.44	10.45	3.15	2.35	4.06	4.63	7.35
FA AV	1.99	2.77	2.27	4.03	3.84	3.49	1.76	2.19	2.64	2.91	2.98	2.47

BOTES: For daily air temperatures in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are Thiessen weighted average of rain gages 89 and W-21. Records began Jan. 1939; station not in operation from July 1941 to Eay 1, 1947; part-year amounts not included in averages. STA NV based on 28 yr period. Estimate codes may indicate that non-significant event totals are included.

197	1	MEAN DAIL	Y DISCHAR	GE (cfs)			RIES	EL (WACO)	, TEXAS	WATERSHE	D Y-7	
Day	Jan	Peb	Bar	ybr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.093
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.499	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.34
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.03
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.15
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.40
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.464	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.717	0.0
19	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.717	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.342	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.108	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.016	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.752	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.161	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0 T	0.0		0.0		0.0
YR	0.0	0.0	0.0	0.0	0.0	0.0	0.0444		0.0	0.0231	0.1060	0.21
CHES	0.0	0.0	0.0	0.0	0.0	0.0	0.820	0.303	0.0	0.427	1.893	3.8
A AV	0.328	0.481	0.568	0.848	0.883	0.644	0.131	0-114	0.146	0.196	0.474	0.4

NOTES: To convert mean daily discharge in CFS to IM/DMY, multiply by 0.595041. Records began Jan. 1939; station not in operation from July 1943 to May 1, 1947; part-year amounts not included in averages. STA AV based on 28 yr period.

Date	Rainfall	PIONS Runoff	n - 1 -		INPALL Intensity		Date	RUNOF		
Bo-Day	(inches)	(inches)	No-Day		(in/hr)			of Day	(cfs)	Acc. (inches)
			RVR	HT OF HOVE	MARR 17 -	18, 1971				
	RG 000089		2.2	RG 0000		,				
11-17	0.0	0.0	11-17	1914	0.0	0.0	11-17	2114	0.0	0.0
,	0.0	0.0	11-17	1916	0.6000	0.02	11-17	2117	0.0	0.0
				1918	0.0000	0.02		2119	0.001	0.0
				1919	1. 1995	0.05		2121	0.001	0.0
				1922	0-1999	0.07		2123	0.005	0.0
ATPRCHPE	CONDITIONS:			1922	0. 1999	0.00		2123	0.003	0.0
	re, Bermuda			1924	6.6000	0.10		2125	0.008	0.0
	. moderatel			1926	1-2001	0.10		2129	0-016	0.0
ir cover	* modetater	!		1928	1-2001	0.18		2132	0.021	0.0
azeu.				1932	0.5999	0. 18		2134	0.021	0.0
				1938	0.2000	0.24		2135	0.055	0.0
				1238	0. 2000	0.24		2 133	0.005	0.0
				1940	3,3008	0.35		2136	0.107	0.0
				1942	5.9986	0.55		2138	0.143	0.0001
				1943	3-6007	0.61		2140	0.196	0.0002
				1944	3,6007	0.67		2142	0.262	0.0004
				1946	0.8998	0.70		2144	0.322	0.0006
				1340	0.0330	0.70		2144	0.522	010000
				1950	0.3001	0.72		2145	0.869	0.0009
				1952	0-6003	0.74		2146	1.359	0.0013
				2002	0-1200	0.76		2147	1.975	0.0019
				2004	0.5995	0.78		2148	2.746	0.0028
				2006	0.0	0.78		2149	3.267	0.0043
				2200						
				2110	0.0094	0.79		2150	3.999	0.0057
				2115	0.0	0.79		2151	4.698	0.0074
				2119	0.1499	0.80		2152	5.327	0.0093
				2122	2.4005	0.92		2153	5.937	0.0120
				2124	1.8000	0.98		2154	6.692	0.0144
				2126	2.1003	1.05		2155	7.833	0.0172
				2130	2.6995	1.23		2156	9.282	0.0205
				2132	3.0005	1.33		2157	11.312	0.0255
				2134	2.6993	1.42		2158	14-017	0.0304
				2136	3,0009	1.52		2159	16.625	0.0363

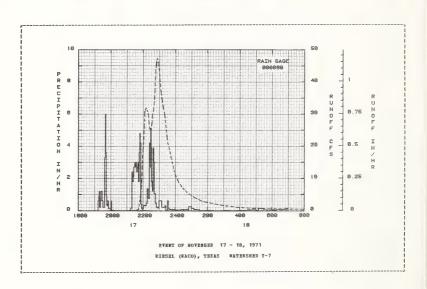
NOTES: To convert runoff in CFS to IM/HR, multiply by 0.024793.

ANTECEDENT CONDITIONS		RAI	NFALL			RUNOPP		
Date Rainfall Runoff Mo-Day (inches) (inches)	Date Mo-Day	Time	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
	EVENT OF	NOVEMBER	17 - 18,	1971 (CO)	TINUED)			
	11-17	2140	2.4001	1.68	11~17	2200	18.546	0.0448
		2142 2144	2.6993 3.0009	1.77 1.87		2201 2202	19.893 20.652	0.0522
		2146	1.7995	1.93		2203	22.276	0.0684
			3.6007	2.05		2204	24.794	0.0798
		2150 2152	4-7991 4-2010	2.21		2205	27.008	0.0898
		2153	1.7987	2.38		2207	30.876 31.257	0.1126 0.1276
		2156 2202	0.4002	2.40		2208 2209	31.554	0.1276
		2206	0.3001	2.43		2211	31.852	0.1644
		2210 2212	0.2998	2.45		2213 2215	31.639 31.172	0.1921
		2216	0.4500	2.49		2217	30.792	0.2435
		2220	1.3500	2.58		2219	30.121	0.2700
		2224 2226	0.7501 4.2010	2.63 2.77		2221 2223	28.877 26.807	0.2929
		2228	2.6993	2.86 3.03		2225	25.302	0.3374
		2232	5.0989 3.9011	3.03		2227	24.678 24.716	0.3592 0.3688
		2234	1.7995	3.22		2229	24.950	0.3784
		2236 2238	1.5005 1.1995	3.27		2231 2233	25.577 26.887	0.4004
		2240 2241	3.9011 2.9980	3.44		2234 2235	27.896	0.4340
		2242 2246	3.0007 1.0499	3.54 3.61		2236 2238	30.121 30.708	0.4566
		2250 2256	0.4500	3.64 3.66		2240 2242	32.108 33.835	0.5074
		2300	0.1499	3.67		2243	35.064	0.5494
		2302	0.6003	3.69		2244	37.207	0.5634
		2306 2310	0.6001	3.73 3.77 3.79		2245 2246	39.766 41.678	0.5820
		2316 2322	0.2000	3.79 3.81		2247 2248	43.815 45.116	0.6144
								0.6316
		2326 2332	0.3001	3.83 3.83		2250 2252	46.528 47.364	0.6715
		2334 2340	0.6000	3.85 3.86		2254 2256	46.921 46.039	0.7490 0.7850
		2350	0.0601	3.87		2258	44.922	0.8246
	11-18	2400 20	0.0600 0.0300	3.88		2300 2302	43.385	0.8631
	11-18	30	0.0601	3.89 3.90		2304	41.678 39.166	0.8961
		40 50	0.0600	3.91 3.92		2306 2308	37.342 35.906	0.9609
		100	0.2401	3.96		2310	34.711	1.0202
		110	0.1200	3.98		2312	33.574	1.0500
		130 300	0.0600	4.00		2314 2317	32.579	1.0756
		430	0.0133	4.02		2320	30.037	1. 1544
		500 510	0.0400	4.04		2322 2324	28.836 26.528	1.1772 1.2013
		520	0.1199	4.06		2326	25.028	1.2213
		530 600	0.1200 0.0200	4.08		2328 2330	23.332	1.2424
		630	0.0400	4.11		2332	20.944	1.2787
		650	0.0601	4.12 4.13		2334 2336	20.507 19.821	1.2968
		700	0.1200	4. 15		2338	19.074	1.3294
						2340	18.302	1.3439
						2342 2344	17.610 16.827	1.3596 1.3729
						2346 2348	15.958	1.3872
						2348	15.268 14.622	1.4123
						2352	13.891	1.4233
						2354	13.081	1.4351
						2358	11.960	1.4556
						2400	11. 282	1.4657
					11-18	4 9	10.420 9.473	1.4836
						14	8.612	1.5222
						19 24	8.038 7.379	1.5399

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.024793.

1 SE	LECTED BUNG	FF EVENT				RIESEL	(MACO), T	KAAS WAT	EBSHED Y-7	
ANTECE	DENT CONDI	TIONS		BAI	NPALL			RUHOP	P	
Date Ho-Day	(inches)	(inches)	Ho~Day	Time of Day	Intensity (in/hr)	Acc. (inches)	≣o-Day	of Day	Rate (cfs)	Acc. (inches)
					17 - 18,	4074 4001				
			EARRI OL	BOARHDER	17 - 10,	1971 (CO				
							11-18	29		1.5701
								34	6.476	1.5844
								39		1.5972
								44	5.572	1.6091
								59	4.711	1.6410
								119	3.699	1.6760
								139	2.925	1.7033
								159	2.474	1.7255
								219	2.167	1.7448
								239	1.836	1.7613
								259	1.518	1.7751
								329	1-200	1-7919
								359	0.905	1.8049
								429	0.729	1.8150
								459	0.601	1.8232
								559	0.493	1.8368
								659	0.386	1.8477
								759	0.347	1.8568
								859	0.314	1.8650
								959	0.253	1.8720
								1059	0.193	1.8775
								1159	0.156	1.8818
								1259	0.102	1.8850
								1359	0.070	1.8871
								1459	0.046	1,8885
								1559	0.033	1.8895
								1659	0.025	1.8902
								1759		1,8907
								2059	0.006	1.8916
								2400		1.8919

HOTES: To convert runoff in CFS to IM/HE, multiply by 0.024793.



LOCATION: Palls Co., Texas; 18 mi. SE of Waco; Brazos River Basin.

AREA: 20.80 acres

HC	HTHLY	PRECIP	HOITATION	AND RU	BOPP (inches	;)			RIBSI	EL (MY	(O), T	EXAS V	ATERSH:	ED 1-8		
		Jan	Peb	Har	Δp	r	Bay	Jun	Jul	Aug	g :	Sep	Oct	How	Dec		Annual
1971	P Q	0.01	1.61	0.27 0.0	3. 0.		2.13 0.0	1.43	10.61	3. 0.3		2.18 0.0	4.25 0.235	4.67 1.47			40.79 7.064
STA AV	P Q	1.88 0.309	2.74 0.400	2.33 0.48			3.74 0.793	3.64 0.593	1.85 0.170	2.1		2.79 0.127	3.02 0.128	3.01 0.41			33.65 4.676
	ANNU	AL MAXI		CHARGE	(in/hr) AND							SELECTI		INTERV	ALS	
		Disch Date		1 Ho Date			Vol.	6 Ho Date	Vol.		Vol.		Day Vol.		ays Vol.		Days Vol.
1971		11-17	2.098	12- 9	1.090	12- 9	1.438	12- 9	2.051 1	2- 8	2.516	12- 8	3. 151	12- 8	3.285	12- 2	3.567
						8	AXINUBS	FOR PE	BRIOD OF	RECOR	RD						
		6-10		4-19	2.410	4-19	2.800	4-23	3.320		3.370	3-29		11-22	5-640		9.100

NOTES: Naterahed conditions: 95% cotton; 3% pasture; 2% gravel roads. Cropland terraced and contour tilled; no change in conservation practices. For map of watershed, see Sydrologic Data for Experimental Agricultural Watershed, is the United States, 1964, UDDA Misc. Pub. 1194, 942.1-5 (Breized). Precipitation and runoff records began Mar. , 1939; station not in operation July 1943 to Jan. , 1940; part-pear amounts not included in averages. Precipitation data obtained from rain gage 75%. For long-time precipitation records, see Bational Weather Service records at Maco, Terna.

197	71 D.	ILY PRECI	PITATION	(inches)			RIBS	BL (WACO)	TEXAS	WATERSHED	¥-8	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.02E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.03E	0.04E	0.0	0.0	0.0	0.0	0.38	0.04B	0.0	0.0	1.01
3	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0
4	0.0	0.15	0.0	0_0 E	0.0	0.0	0.0	1. 13	0.0	0.21	0.0	0.0
5	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.13	0.0	0.02E	0.0	0.66
6	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.01E	0.0	0.54
7	0.0	0.0	0.0	0.0	0.025	0.0	0.0	0.24	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.51
9	0.0	0.0	0.0	0.0	0.078	0.0	0.0	0.0	0.0	0.08E	0.0	3.29
10	0.0	0.0	0.0	0.0	1.03	0.0	0.0	0.0	0.0	0.0	0.0	0.01
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.17
15	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.09	0.0	0.0	0.0	0.0	0.0	280.0	0.0	0.0
17	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	3.93	0.03
18	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.30	0.0
19	0.0	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.01E	0.95	0.0	0.0
20	0.0	0.0	0.0	0.82	0.53	0.0	0.0	0.0	0.0	1.87	0.0	0.0
21	0.0	0.14	0.0	0.0	0.0	0.51	3.57	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.06E	0.0	0-10E	0.0	0.0	0.78	0.0	0.44	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.02E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.12E	0.0	1.94	0.0	1.22	0.0	0.0	0.0
25	0.0	1.10	280.0	0.0	0.0	0.0	1.57	0.04E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04E	0.40	1.36	0.0	0.0	0.11	0 - C	0.0
28	0.0	0.0	0.0	0.0	0.0	0.03E	0.50	0.0	0.0	0.0	0.0 E	0.03
29	0.0		0.0	0.23	0.0	0.0	1, 18	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.24	0.21	0.0	0.0	0.0	0.41
31	0.0		0.0		0.03E		0.0	0.09E		0.0		0.40
OTAL	0.01	1.61	0.27	3.35	2.13	1.43	10.61	3.16	2.18	4.25	4.67	7.12
TA AV	1.88	2.74	2.33	4.02	3.74	3.64	1.85	2.16	2.79	3.02	3.01	2.48

NOTES: For daily air temperatures in the vicinity, see table for materished C, p. 42,002-1. Precipitation values are from raim aged 75A. Records began Bar. 1, 1939; part-year amounts not included in averages. STA NV based on 26 yr period. Estimate codes may indicate the mon-significant event totals are included.

197	1	HEAR DAIL	T DISCHAR	GB (cfs)			RIBS	BL (WACO)	, TEXAS	WATERSHE	D T-8	
Da y	Jan	Peb	Har	Apr	Say	Jun	Jul	Δug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.293	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.069
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.163
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.007
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.011
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.753
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.109
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.028	0.0	0.0	0.0	0.0 T
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	1.118	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-172	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.205	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.014	0.0	0_0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.330	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.197	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.124	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.354	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.163	0.0	0.0	0.0	0.0	0.013
31	0_0		0.0		0.0		0.0	0.0		0.0		0.010
BEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0386		0.0	0.0066		0.1016
INCHES	0.0	0.0	0.0	0.0	0.0	0.0	1.368	0.381	0.0	0.235	1.476	3.604
STA AV	0.309	0.400	0.484	0.752	0.793	0.593	0.170	0.073	0.127	0.128	0.417	0.430

NOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 1.140310. Records began Mar. 1, 1939; station not in operation July 1943 to Jan. 1, 1949; part-year amounts not included in averages. STA AV based on 26 yr period.

ARTECEDERT	CONDIT	TOBS		RAI	INPALL.			RUBOF	P	
Date Rai	nfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
Ho-Day (in	ches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	No-Day	of Day	(cfs)	(inches)
			EVE	NT OF HOVE	EBBER 17 -	18, 1971				
RG 00	075A			RG 0007	75A					
11-17	0.0	0.0	11-17	1914	0.0	0.0	11-17	2117	0.0	0.0
				1920	0.8000	0.08		2118	0.0	
				1925	0.4799	0.12		2120	0.001	
				1930	1.0800	0.21		2125	0.003	0.0
				1938	0.3000	0.25		2130	0.004	0.0
ATERSHED COND										
tilled, bar				1940	3.6007	0.37		2133	0.012	0.0
rmudagrass, g				1942	5.3991	0.55		2136	0.008	0.0
ierately graz				1944	3.6007	0.67		2139	0.014	0.0
ads. Croplan				1946	1.2000	0.71		2140	0.033	0.0
ltiwated on c	ontour.			1950	0.4500	0.74		2141	0.050	0.0
				2000	0.1800	0.77		2143	0.070	0.0001
				2010	0.1800	0.80		2145	0.089	0.0002
				2120	0.0257	0.83		2146	0.120	0.0003
				2122	2.7005	0.92		2147	0.184	0.0004
				2124	1.7995	0.98		2148	0.236	0.0006
				2126	2.1007	1.05		2149	0.334	0.0009
				2128	2,9991	1.15		2150	0.601	0.0012
				2130	2.9995	1.25		2151	0.799	0.0017
				2132	2.7005	1.34		2152	0.950	0.0024
				2134	2.3995	1.42		2153	1.314	0.0035
				2136	3,3008	1.53		2154	1.589	0.0046
				2138	2.0998	1.60		2155	1.990	0.0059
				2140	3.0005	1.70		2156	2.423	0.0075
				2145	2.6397	1.92		2157	3. 102	0.0101
				2150	3.2402	2.19		2158	3.398	0.0125
				2154	3.4500	2.42		2159	4.079	0.0153
				2204	0.1200	2-44		2200	4.762	0.0194
				2210	0.5001	2.49		2201	5.483	0.0232
				2215	0.3599	2.52		2202	5.937	0.0275
				2220	1.2000	2.62		2203	6.193	0.0320
				2224	0.7501	2.67		2204	6.381	0.0379
				2226	4.5014	2.82		2205	6.381	
				2228	3.2989	2.93		2206	6.310	
				2230	5.0993	3.10		2207	6.169	0.0520
				2232	3.3008	3.21		2208	5-914	0.0576

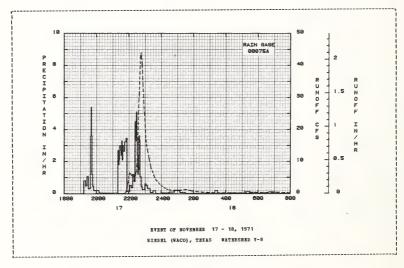
NOTES: To convert runoff in CFS to IN/ER, multiply by 0.047680.

	ECTED RUNOF					RIESEL				
ANTECEI Date Mo-Day	BHT CONDIT Rainfall (inches)	Pions Runoff (inches)	Date Mo-Day	RAI Time of Day	NFALL Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOPF Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	NOVEMBER	17 - 18,	1971 (CO	ITINUED)			
			11-17	2234 2236 2238 2240 2242	2.3991 1.2005 1.4998 3.6007 3.2993	3.29 3.33 3.38 3.50 3.61	11-17	2209 2210 2211 2212 2213	5.799 5.799 5.731 5.640 5.550	0.0620 0.0663 0.0706 0.0759 0.0801
				2246 2250 2255 2300 2305	1.0499 0.4502 0.2399 0.2400 0.6001	3.68 3.71 3.73 3.75 3.80		2214 2215 2216 2217 2218	5.505 5.438 5.371 5.371 5.460	0.0842 0.0893 0.0933 0.0973 0.1013
				2310 2320 2330 2340 2400	0.4799 0.3000 0.0600 0.1800 0.0	3.89 3.90 3.93 3.93		2219 2220 2221 2222 2223	5.460 5.550 5.483 5.371 5.393	0.1064 0.1105 0.1146 0.1186 0.1236
			11-18	30 50 110 130 320	0.0400 0.0900 0.2100 0.0600 0.0	3.95 3.98 4.05 4.07 4.07		2224 2225 2226 2227 2228	5.505 5.754 6.123 6.548 6.837	0.1277 0.1319 0.1363 0.1422 0.1472
				330 420 440 510 530	0.1800 0.0 0.0300 0.0300 0.0	4.10 4.10 4.11 4.11 4.15		2229 2230 2231 2232 2233	7.655 8.402 9.583 12.140 15.366	0.1526 0.1601 0.1668 0.1749 0.1851
				550 620 640 700 720	0.0600 0.0 0.0300 0.0900 0.0600	4.17 4.17 4.18 4.21 4.23		2234 2235 2236 2237 2238	16.929 20.907 25.341 27.774 29.746	0.2001 0.2142 0.2314 0.2512 0.2780
								2239 2240 2241 2242 2243	31.852 34.316 37.478 39.812 42.102	0.3009 0.3255 0.3522 0.3882 0.4187
								2244 2245 2246 2247 2248	43.194 43.576 44.007 43.146 41.914	0.4505 0.4909 0.5235 0.5560 0.5877
								2249 2250 2251 2252 2253	40.462 39.350 37.433 35.462 33.443	0.6261 0.6558 0.6844 0.7116 0.7437
								2254 2255 2256 2257 2258	31.766 29.912 28.059 26.289 25.302	0.7680 0.7910 0.8126 0.8379 0.8571
								2259 2300 2301 2302 2303	24.290 23.180 21.384 19.714 18.198	0.8756 0.8977 0.9143 0.9296 0.9437
								2304 2305 2306 2309 2312	16.625 16.124 15.431 13.891 12.714	0.9599 0.9721 0.9839 1.0194 1.0516
								2315 2318 2321 2324 2327	11.253 10.026 8.825 7.731 7.106	1.0806 1.1044 1.1272 1.1472 1.1652
								2330 2333 2336 2341 2346	6.524 5.799 5.063 4.261 3.880	1.1817 1.1955 1.2086 1.2268 1.2435
							11-18	2351 2356 2400 6	3.379 2.887 2.507 2.179 1.838	1.2577 1.2700 1.2790 1.2899 1.2978

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.047680.

SEL	ECTED RUBO	FF EVEBT				BIRDER ((#200) , 1.	AND WAL	ERSHED Y-8	
ANTROED	BHT CONDI	TIONS		BAS	NFALL			RUNOF	P	
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	HOARRBEE	17 - 18,	1971 (COI	TINUED)			
							11-18	16	1.618	1.3049
							11-10	21		1.3108
								26	1.274	1.3160
								31		1,3210
								36		1.3254
								46	0.950	1.3334
								56	0.880	1.3406
								106		1.3477
								116		1.3557
								126		1.3646
								136	1.183	1.3741
								146	0.938	1.3826
								200	0.725	1.3919
								210	0.542	1.3969
								230	0.395	1.4044
								250		1.4100
								310		1.4142
								400		1.4228
								430		1.4271
								500	0.181	1.4310
								530		1.4356
								540		1.4374
								550		1.4396
								600		1.4418
								630	0.201	1.4474
								640	0.201	
								650		1.4507
								700		1.4526
								710		1.4546
								730	0.214	1.4583
								800	0.156	1.4627
								830	0.127	
								900	0.094	1.4687
								930		1.4706
								1002		
								1102		1.4740
								1202	0.013	1.4749

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.047680.



LOCATION: Falls Co., Texas: 18 mi. SE of Waco; Brazos River Basin.

ARTA: 18.60 acres

					OPF (inche				RIESEL (W	,,,			ED Y-10		
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Ho∀	Dec	:	Annual
1971	P Q	0.01	1.55	0.32 0.0	3.34 0.0	2.24 0.0	1.40 0.0	11.00 1.309	2.77 0.309	2.09 0.000	4.17 0.393	5.23 2.05			8.055
TA AV	P Q	2.03 0.400	2.64 0.413	2.28 0.546	3.92 0.866	3.85 0.711	3.43 0.612	1.77 0.178	2.10 0.089	2.69 0.182	2.80 0.207	2.90 0.44			32.88 5.122
	DRHE			CHARGE (in/hr) AND								INTERV	ALS	
	URRE	Baxis Dische Date	iq n irge		2 1	Hours	Maximum	Volume f	OPP (inch or Select 12 Hours ate Vol.	ed Time	Interv	1 2 D	ays	8	Days Vol.
 1971		Baxis Disch	iqm irge late	1 Hou	2 1	Hours Vol.	Maximum 6 Ho Date	Volume fours	or Select 12 Hours ate Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.
1971		Baxis Dische Date 1	iqm irge late	1 Hou	2 1 01. Date	Rours Vol.	Maximum 6 Ho Date	Volume fours	or Select 12 Hours ate Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.

LOTES: Watershed conditions: 93% fall planted small grain, largely outs; 8% pasture; 3% gravel roads. Cropland terraced and contour tilled; no change in conservation practices. For any of watershed, sufviologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Bisc. Pub. 1194, p. 42.11-5 (Sewised). Precipitation and runoff records began July 1, 1938; station not in operation July 1943 or 1946; part-year amounts not included in averages. Precipitation data from Thicessen weighted method using rain gages 69 and 69%. For long-time precipitation records, see Bational Weather Service records at Waco, Yoras.

197	71 DJ	ILY PRECI	HOLTETICE	(inches)			RIES	EL (WACO)	TEXAS	WATERSHED	¥-10	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.03E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.04E	0.07E	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.96
3	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0
4	0.0	0.15	0.0	0.0 E	0.0	0.0	0.0	0.81	0.0	0.21	0.0	0.0
5	0.0	0.0	0.0	0.0	0.07E	0.0	0.0	0.21	0.0	0.04E	0.0	0.68
6	0.0	0.0	0.0	0.0	0.11E	0.0	0.0	0.0	0.0	0.01B	0.0	0.47
7	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.25	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08E	0.0	0.0	0.65
9	0.0	0.0	0.0	0.6	0.102	0.0	0.0	0.0	0.0	0.10E	0.0	2.90
10	0.0	0.0	0.0	0.0	1.06	0.0	0.0	0.0	0.0	0.0	0.0	0.04
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.75	0.03E	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.17
15	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.06	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	0.0
17	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	4.50	0.03E
18	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.25	0.0
19	0.0	0.0	0.0	0.0	0.0	0.12E	0.0	0.0	0.01E	1. 17	0.0	0.0
20	0.0	0.0	0.0	0.86	0.65	0.0	0.0	0.0	0.0	1.56	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	0.44	4.15	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.03E	0.0	0.02E	0.0	0.0	0.77	0.0	0.48	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.01E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.13E	0.0	1.91	0.0	1.19	0.0	0.0	0.0
25	0.0	1.02	0.09E	0.0	0.0	0.0	1.48	0.04E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04E	0.45	1.32	0.0	0.0	0.11	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.04E	0.46	0.0	0.0	0.0	0.0 E	0.04E
29	0.0		0.0	0.20	0.0	0.0	1. 16	0.0	0.0	0.0	0.0	0.022
30	0.0		0.0	0.0	0.0	0.0	0.23	0.18	0.0	0.0	0.0	0.39
	0.0		0.0		0.04E		0.0	0.06E		0.0		0.41
TOTAL	0.01	1.55	0.32	3.34	2.24	1.40	11.00	2.77	2.09	4.17	5.23	6.81
STA AV	2.03	2.64	2.28	3.92	3.85	3.43	1.77	2.10	2.69	2.80	2.90	2.47
MOTES-	For daily	-4	ratures i	n the wie	inite on	o 42h2o 4	for Sators	shed C a	62 003-	1 Propin		-1

NOTES: For daily air temperatures in the vicinity, see table for Satershed C, p. 42.002-1. Precipitation values are Thiessee weighted average of rain gages 69 and 69. Secords began July 1. 1938; station not in operation 1941 1943 to Bsy 1, 1946; part-year amounts sot included in averages. STA AV based on 29 yr period. Estimate codes may indicate that non-significant event totals are included.

19	71	BEAN DAIL	Y DISCHAR	GE (cfs)			RIES	EL (MACO)	, TEXAS	WATERSHED	¥-10	
Day	Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.129	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.20
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.20
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.022	0.0	0.0	0.0	0.02
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.16
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.16
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.044	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.266E	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.231	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.005	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.305	0.0 T	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.013	0.0	0.0	0.002	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.079	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.029	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.013	0.0	0.0 T	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.261	0.0	0.0	0.0	0.0	0.0
26		0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.203	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.092	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.262	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.173	0.0	0.0	0.0	0.0	0.06
31	0.0		0.0		0.0		0.004	0.0		0.0		0.03
HAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0330	0.0078	0.0	0.0099	0.0536	0.10
CHES	0.0	0.0	0.0	0.0	0.0	0.0	1.309	0.309	0.000	0.393	2.059	3.9
A AV	0.400	0.413	0.546	0.866	0.711	0.612	0.178	0.089	0.182	0.207	0.449	0.4

BOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 1.279659. Records began July 1, 1938; station not in operation July 1943 to May 1, 1946; part-year amounts not included in averages. STA AV based on 29 yr period.

	ELECTED RUNO				INPALL			RUNOF		
Date Ho-Day	Rainfall	Runoff		Time	Intensity (in/hr)			Time	Rate	Acc. (inches)
			EAE	MI OF HOAD	BEBER 17 -	18, 1971				
	RG 000069			RG 0000						
11-17	0.0	0.0	11-17	1910	0.0	0.0	11-17	2117	0.0	0.0
				1914	0.7501	0.05		2119	0.0	0.0
				1916	0.6000	0.07		2122	0.001	0.0
				1918	1.5005	0.12		2127	0.003	0.0
				1920	0.2998	0.13		2130	0.006	0.0
	D CONDITIONS:									
	d, bare; 4%			1922	0.6003	0.15		2132	0.012	0.0
	ass, good con			1924	1.1995	0.19		2133	0.031	0.0
deratel	y grazed, 3%	gravel		1926	1.2005	0.23		2134	0.046	0.0
	ropland terra	iced,		1928	1.1995	0.27		2135	0.071	0.0
ntour c	ultivation.			1929	0.0	0.27		2137	0.121	0.0002
				1930	1.7987	0.30		2139	0.174	0.0005
				1936	0.2001	0.32		2141	0.225	0.0008
				1938	2,6993	0.41		2143	0.266	0.0013
				1940	5.7015	0.60		2145	0.326	0.0019
				1942	7.1986	0.84		2146	0.970	0.0024
				1944	2.7005	0.93		2147	1.120	0.0033
				1946	0.5995	0.95		2148	2.308	0.0047
				1950	0.3001	0.97		2149	3.212	0.0076
				1952	0.6003	0.99		2150	3.919	0.0106
				2000	0.1500	1.01		2151	5.107	0.0144
				2004	0.2998	1.03		2152	6.983	0.0194
				2010	0.1001	1.04		2153	8.692	0.0276
				2100	0.0120	1.05		2154	11.753	0.0361
				2118	0.0333	1.06		2155	14.334	0.0470
				2120	1.2000	1.10		2156	17.508	0.0603
				2122	1.8004	1. 16		2157	20-001	0.0798
				2129	2.3995	1.24		2158	21,606	0.0971
				2126	2.7005	1.33		2159	21.680	0.1151
				2128	2.0998	1.40		2200	21-090	0.1374
				2130	2,3995	1.48		2201	19.215	0.1542

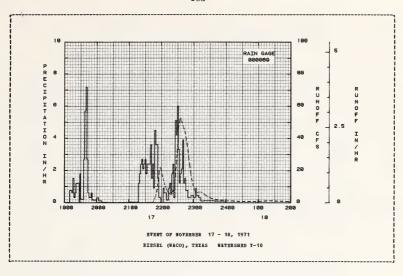
NOTES: To convert runoff in CPS to IN/BE, multiply by 0.053319.

ANTECEDENS	CONDITT	TONG		DAT	NPALL		(WACO), T	RUNOF		
Date Ra	infall inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches
				NOVEMBEE		1971 (CO				
			11-17	2132 2134	2.7005 1.7995	1.57 1.63	11-17	2202 2203	17.473 16.124	0.1695 0.1835
				2136	2,4006	1.71		2204	14.911	0.1997
				2138	2.3995	1.79		2205	13.671	0.2116
				2140	2.4006	1.87		2206	12.380	0.2225
				2142	3.5991	1.99		2207	11.166	0.2323
				2144 2146	1.5005 2.3995	2.04		2208 2209	10.250 9.446	0.2435 0.2517
				2148	0.9002	2.15		2210	8.718	0.2593
				2150	4.4989	2.30		2211	7.910	0.2662
				2152	3.6007	2.42		2212	7.304	0.2741
				2154 2156	3.5995 1.5005	2.54		2213 2214	6.788 6.216	0.2800 0.2854
				2200	0.2998	2.61		2215	5.799	0.2917
				2204	0.0	2.61		2216	5.438	0.2964
				2206	0.9002	2.64		2217	5.327	0.3009
				2208 2210	0.6000	2.66		2218 2219	5.238 5.349	0.3053
				2214	0.1499	2.69		2220	5.527	0.3153
				2216	0., 8998	2.72		2221	6.007	0.3201
				2218	1.2005	2.76		2222	6.837	0.3255
				2220 2222	0.5995 1.8008	2.78 2.84		2223 2224	7.782 8.878	0.3331
				2224	2.3991	2.92		2225	10.533	0.3481
				2226	0.3004	2.93		2226	13.051	0.3579
				2228	5.0989	3.10		2227	16.929	0.3735
				2230 2232	4.1991 6.0014	3.24		2228	22.350 26.607	0.3899
				2234	3.2993	3.55		2230	31.980	0.4408
				2236	1.2005	3.59		2231	38.753	0.4703
				2238	1.7995	3.65		2232	43.767	0.5047
				2240 2242	2.1003 3.8993	3.72 3.85		2233 2234	48.006 50.406	0.5429
				2244	1.2001	3.89		2235	52.131	0.6368
				2246	1.4998	3.94		2236	52.643	0.6804
				2250	0.7501	3.99		2237	51.927	0.7240
				2256	0.3000	4.02		2238 2239	50.911 49.401	0.7775 0.8193
				2304	0.3001	4.07		2240	48.254	0.8600
				2306	0.9002	4. 10		2241	47.364	0.8998
				2310	0.4500	4.13		2242	46.577	0.9487
				2314 2320	0.3001	4.15 4.16		2243 2244	45.504	0.9871 1.0246
				2330	0.1200	4.18		2245	42.671	1.0700
				2340	0.1199	4.20		2246	40.741	1.1047
				2400	0.0900	4.23		2247	38.707	1.1378
								2248 2249	36.846 34.623	1.1693
								2250	32.279	1.2344
								2251	29.207	1.2600
								2252	26.567	1.2832
								2254	24.059	1.3096
								2255 2256	19.109	1.3455
									16.659	1.3604
								2257 2258	14.815 13.298	1.3768
								2259	11.990	1.3990
								2300 2301	10.420 9.255	1.4107
								2302 2303	8.350 7.605	1.4262
								2304	6.983	1.4404
								2305	6.596 6.381	1.4461
								2308 2311	6.405	1.4635
								2314	6.596	1-4976
								2316 2321	6.405 5.107	1.5098
								2326	3.919	1.5547
								2331 2336	3.012 2.473	1.5706 1.5826
								2341	2.052	1.5925
								2346	1.778	1.6013

NOTES: To convert runoff in CPS to IN/HR, multiply by 0.053319.

SELECTE	D RUNOFF BV	BHT				RIESEL (MAS WAT		
ANTECEDENT	CONDITIONS				FALL			RUBOF		
Date Rai Bo-Day (in	nfall Run ches) (inc	noff ches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Bo-Day	Time of Day	Rate (cfs)	Acc. (inches)
										(11010)
			EVENT OF	HOVEMBER	17 - 18,	1971 (CO)	TINUED)			
							11-17	2351	1.532	1.6085
								2356	1.381	1.6149
								2400	1.248	1.6198
							11-18	5	1. 133	1.6250
								12	1.037	1.6318
								22	0.851	1.6401
								32	0.743	1.6472
								42	0.722	1.6538
								52	0.764	1.6603
								102	0.913	1.6678
								112	1.126	1,6769
								117	1.317	1.6822
								122	1.327	1.6880
								127		1,6939
								132	1.126	1.6991
								142	0.898	1.7082
								152	0.709	1.7152
								202	0.583	1.7210
								212		1.7258
								222	0.423	1.7298
								232	0.368	1.7333
								252	0.314	1.7393
								312 332	0.280	1.7446
								352	0.295	1.7497
									0.330	1.7333
								412	0.326	1.7612
								432 452	0.310 0.351	1.7668
								512	0.409	1.7795
								522		1.7832
								532	0.504	1.7874
								542	0.619	1.7924
								547	0.669	1.7952
								552	0.663	1.7981
								612	0.520	1.8087
								632	0.413	1.8170
								642	0.409	1.8207
								652	0.483	1.8246
								702	0.560	1.8293
								707	0.595	1.8318
								712	0.595	1.8345
								722	0.531	1.8394
								732	0.473	1.8439
								742	0.381	1.8477
								752	0.326	1.8508
								822		1.8589
								852 922	0.233	1.8657
								922 952	0.193	1.8714
								1052	0.134	1.8833
								1130	0.107	1.8872
								1130		1.8872
								1300	0.075	1.8947
								1400	0.065	1.8984
								1500	0.053	1.9015
								1600	0.041	1.9040
								1800	0.041	1.9040

MOTES: To convert runoff in CPS to IM/HR, multiply by 0.053319.



RIESEL (WACO), TEXAS SW-11

LOCATION: Falls County, Texas; 19 miles southeast of Waco; Brazos Biver Basin.

ARPA: 2.66 acres

HO	BTHLY	PRECIP:	HOLLETE	AND RI	UNOPP	(inches	5}				RIES	EF (AVC	(O) , TE	MAS SE	-11		
		Jan	Peb	Har	A	pr.	Нау	Jun	Jul	Au	ıg :	Sep	Oct	Bov	Dec	;	Annual
1971	P Q	0.0	1.71	0.2			2.26 0.0	1.44	10.46			2.35 0.0	4.06 0.0	4.63 0.98			41.08 3.792
TA AV	P Q	1-46 0.176	2.84 0.407	2.32 0.4			3.38 0.183	3.46 0.694	2.48 0.08			2.69 0.281	3.31 0.334	3.33 1.03			33.94 4.530
	ANNO	AL HAXI		CHARGE	(in/h	r) AND		NOLUME Maximum							INTER	VALS	
		Discharge I	arge	1 Ed Date			ours		urs	12 B	lours	1	Day Vol.	2 D	vol.		Days Vol.
1971		12- 9	1.427	12- 9	0.930	12~ 9	1.225	12- 9	1.689	2- 9	2.048	12- 9	2.569	12→ 8	2.686	12- 2	2.726
						8	AXIMUMS	S FOR PE	BIOD O	RECO	RD						
		10-31 (6.670	11-22	2.060	11-22	2.260	11-22	2.580	1940	2.820	11-22	3.590	11-22	5.900	11-21	

HOUSE: Watershed conditions: 109W winter growing Barding grass, moderately grazed. For map of watershed, see proceed to find the first form of the first for

1971	1 D <i>i</i>	AILY PRECI	PITATION	(inches)				RIESEL (WACO), TE	XAS SW-1	1	
Day	Jan	Feb	Ear	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.02E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.04E	0.03E	0.0	0.0	0.0	0.0	0.39	0.05B	0.0	0.0	1.07
3	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0
4	0.0	0.15	0.0	0.0 B	0.0	0.0	0.0	1.29	0.0	0.22	0.0	0.0
5	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.10E	0.0	0.03E	0.0	0.71
6	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.01E	0.0	0.54
7	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.24	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.53
9	0.0	0.0	0.0	0.0	0.07E	0.0	0.0	0.0	0.0	0.07E	0.0	3.40
10	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.01
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.05B
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.16
15	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2-12	0.0	0.0	0.0	0.0	0.0	0.06B	0.0	0.0
17	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	3.88	0.03E
18	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	0.0
19	0.0	0.0	0.0	0.0	0.0	0.028	0.0	0.0	0.01E	0.92	0.0	0.0
20	0_0	0.0	0.0	0.80	0.50	0.0	0.0	0.0	0.0	1.73	0.0	0.0
21	0.0	0.19	0.0	0_0	0.0	0.54	3.48	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.06E	0.0	0.11E	0_0	0.0	0.82	0.0	0.44	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.01E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.13E	0.0	1.93	0.0	1,23	0.0	0.0	0.0
25	0.0	1.16	0.10E	0.0	0.0	0.0	1.49	0.02E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0
27	0.0	0.0	0.0	0.0	0.03E	0.29	1.35	0.0	0.0	0.12	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0-04E	0.47	0.0	0.0	0.0	0.02E	0.04E
29	0.0		0.0	0.24	0.0	0.0	1.28	0.0	0.0	0.0	0.0	0.018
30	0.0		0.0	0.0	0.0	0.0	0.24	0.19	0.0	0.0	0.0	0.40
31	0.0		0.0		0.03B		0.0	0.12		0.0		0.41
TOTAL	0.0	1.71		3.40	2.26	1.44	10.46	3.14	2.35	4.06	4.63	7.36
STA AV	1.46	2.84	2.32	3.53	3.38	3.46	2.48	1.88	2.69	3.31	3.33	3.26

19	71	BEAN DAIL	Y DISCHAR	GE (cfs)				RIESEL	(WACO), T	EXAS SW-	11	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.285
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.086	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.024	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	T 0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002	0.0	0.0	0.0037	0.009
CHES	0.0	0.0	0.0	0.0	0.0	0.0	0.010	0.068	0.0	0.0	0.989	2.72
A AV	0.176	0.407	0.413	0.130	0.183	0.694	0.086	0.008	0.281	0.334	1.034	0.78

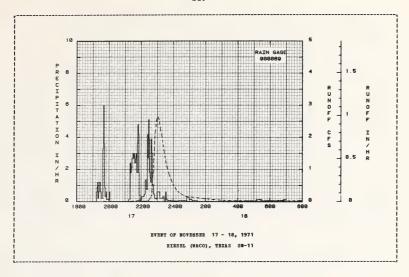
NOTES: To convert mean daily discharge in CFS to IM/DMT, multiply by 8.947990. Records began Barch 1938; discontinued July 1943; reestablished July 1, 1969, part-year amounts are included in averages. STA AV based on 9 yr record period.

ANTECEDENT					INPALL			RUHOFI		
Date Rain		Runoff		Time	Intensity			Time	Rate	Acc.
Ho-Day (inc	hes)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	No-Day	of Day	(cfs)	(inches)
			BAE	HT OF NOV	SHBER 17 -	18, 1971				
RG 000				EG 0000						
11-17 0	-0	0.0	11-17	1914	0.0	0.0	11-17	1939	0.0	0.0
				1916	0.6000	0.02		1940	0.004	0.0
				1918	0.9002	0.05		1941	0.008	0.0
				1919	1.1995	0.07		1944	0.011	0.0002
				1922	0.1999	0.08		1946	0.007	0.0003
WATERSHED CONDI										
00% winter grow	ing Ha	arding		1924	0.6000	0.10		1948	0.003	0.0004
rass, 6 to 10 i	nches	high,		1926	1.2001	0.14		1957	0.001	0.0005
oderate cover.				1928	1.2000	0.18		2117	0.0	0.0007
				1932	0.5999	0.22		2120	0.0	0.0007
				1938	0.2000	0.24		2122	0.003	0.0007
				1940	3.3008	0.35		2125	0.008	0.0008
				1942	5-9986	0.55		2128	0.012	0.0010
				1943	3.6007	0-61		2132	0.016	0.0013
				1944	3.6007	0.67		2142	0.023	0.0025
				1946	0.8998	0.70		2145	0.020	0.0029
				1950	0.3001	0.72		2147	0.026	0.0032
				1952	0.6003	0.74		2149	0.036	0.0036
				2002	0.1200	0.76		2151	0.042	0.0041
				2004	0-5995	0.78		2153	0.042	0-0047
				2006	0.0	0.78		2155	0.032	0.0051
				2110	0.0094	0.79		2157	0.022	0.0055
				2115	0.0054	0.79		2200	0.015	0.0059
				2119	0.1499	0.80		2203	0.010	0.0061
				2122	2.4005	0.92		2207	0.008	0.0063
				2124	1.8000	0.98		2217	0.006	0.0067
				2126	2.1003	1.05		2220	0.011	0.0069
				2130	2-6995	1.23		2223	0.009	0.0071
				2132	3,0005	1.33		2225	0.009	0.0071
				2134	2.6993	1.42		2227	0.014	0.0072
				2136	3.0009	1. 52		2228	0.023	0.0073

HOTES: To convert runoff in CFS to IN/HB, multiply by .372833.

SELECTE								CO), TRIAS		
ANTECEDENT Date Rai	CONDIT nfall	IONS Bunoff	Date	Time	INFALL Intensity	Acc.	Date	RUNOFF Time	Rate	Acc.
Mo-Day (in	ches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	Mo-Day	of Day	(cfs)	(inches)
			EVERT OF	HOAEHBEE	17 - 18,	1971 (CO	TINUED)			
			11-17	2140	2.4001	1.68	11-17	2229	0.043	0.0079
				2142	2.6993	1.77		2230	0.057	0.0083
				2144 2146	3.0009	1.87		2231	0.070	0.0087
				2146	1.7995 3.6007	1.93 2.05		2232 2234	0.083	0.0091
				2150 2152	4.7991	2.21		2236 2237	0.116 0.138	0.0116
				2153	1,7987	2.38		2238	0.169	0.0123
				2156	0.4002	2.40		2239	0.208	0.0145
				2202	0.0999	2-41		2240	0.291	0.0160
				2206	0.3001	2.43		2241	0.399	0.0180
				2210	0.2998	2.45		2242	0.541	0.0214
				2212	0.3002	2.46		2243	0.656	0.0249
				2216 2220	0.4500 1.3500	2.49		2244 2245	0.820	0.0292
						2.50			0.856	0.0353
				2224	0.7501	2.63		2246	0.981	0.0407
				2226	4.2010	2.77		2247	1.140	0.0469
				2228 2230	2.6993 5.0989	2.86 3.03		2248 2249	1.353	0.0542
				2232	3.9011	3.16		2250	1.714	0.0546
				2234	1.7995	3.22		2251	1.892	0.0845
				2234	1.5005	3.27		2251	2.047	0.0845
				2238	1.1995	3.31		2253	2. 177	0.1114
				2240	3.9011	3.44		2255	2.343	0.1377
				2241	2.9980	3.49		2257	2.499	0.1694
				2242	3.0007	3.54		2259	2.585	0.1990
				2246	1.0499	3.61		2302	2.655	0.2486
				2250	0.4500	3.64		2307	2-547	0.3281
				2256 2300	0.2001	3.66 3.67		2312 2317	2.272 2.075	0.4053
				2302 2306	0.6003	3.69 3.73		2322 2327	1.771	0.5306
				2310	0.5999	3.77		2332	1.255	0.6249
				2316	0.2000	3.79		2337	1.074	0.6605
				2322	0.1999	3.81		2342	0.908	0.6923
				2326	0.3001	3.83		2347	0.780	0.7181
				2332	0.0	3.83		2352	0.694	0.7406
				2334	0.6000	3.85		2356	0.596	0.7566
				2340 2350	0.1000	3.86	11-18	2400	0.523	0.7713
					0.0601	3.87	11-10		0.497	0.7772
				2400	0.0600	3.88		7	0.434	0.7914
			11-18	20	0.0300	3.89		12	0.363	0.8042
				30	0.0601	3.90 3.91		17 22	0.314	0.8146
				50	0.0600	3.92		27	0.279	0.8321
				100	0.2401	3.96		37	0.204	0.8459
				110	0.2401	3.98		47	0.204	0.8459
				130	0.0600	4.00		57	0.149	0.8672
				300	0.0	4.00		117	0.134	0.8847
				430	0.0133	4.02		137	0.111	0.8999
				500	0.0400	4.04		157	0.087	0.9123
				510	0.0	4-04		227	0.060	0.9260
				520 530	0.1199	4.06 4.08		257 327	0.043	0.9356
				600	0.0200	4.09		357	0.032	0.9426
				630	0.0400	4.11		457	0.020	0.9563
				630	0.0400	4.11		457 557	0.020	0.9563
				650	0.0600	4.13		657	0.019	0.9707
				700	0.1200	4.15		757	0.016	0.9772
								857	0.013	0.9826
								957	0.006	0.9861
								1057	0.003	0.9878 0.9885
								1157		

NOTES: To convert runoff in CFS to IM/HB, multiply by .372833.



LOCATION: McLennan Co., Texas; 18 mi. SE of Waco; Brazos River Basin.

ARBA: 2.97 acres

	ONTHLY	PRECI	PITATION	AND R	UNOFF	(inches	s)			RIBSEI	(WACO)	, TEXA	S F	ATPESE	ED SW-	12	
		Jan	Peb	Har	A	PE	Bay	Jun	Jul	Aug	Seg	0	ct	HOA	Dec		Annual
1971	P Q	0.02	1.63	0.3			2.22 0.0	1.11	11.40	2.71			.47 .012	4.93			7.016
TA AV	P Q	2.01 0.405	2.72 0.621	2.2 0.5		94 652	3.81 0.570	3.51 0.375	1.81 0.090	2.06			.80 .010	2.90 0.21			32.92 3.996
	DHRA	AL BAX	MUM DIS	CHARGE	(in/h)	c) AND	BAXIBU	VOLUME	S OF RU	HOFF (i	nches)	FOR SE	LECTE	D TIME	INTER	ALS	
	ANHU			CHARGE	(in/h	c) AHD									INTEE	ALS	
	ANHU	Bax	inun arge	CHARGE 1 H	our	2 1	Hours	faximum 6 Ho	Volume urs	for Sel	ected 5	ine In 1 Da	terva	1 2 D	ays	8 1	Days
1971	AHBU	Baxi Disc! Date	inun arge	1 H Date	our Vol.	2 M Date	Hours	Maximum 6 Ho Date	Volume urs Vol.	for Sel	ected 5	ime In 1 Da ate V	terva Y ol.	1 2 Date	ays Vol.	8 Date	Vol.
1971	ABBU	Baxi Disc! Date	imum narge Rate	1 H Date	our Vol.	2 f Date	Hours	Maximum 6 Ho Date 12-8	Volume urs Vol. 2.269 1	for Sel 12 Hor Date V	ected 5	ime In 1 Da ate V	terva Y ol.	1 2 Date	ays Vol.	8 Date	Vol.

NOTES: Watershed conditions: 100% native grass meadow moved annually for hay. For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 42.24-4. Precipitation and ranoff records began Jan. 1, 1933; station not in operation July 1993 to June 1, 1993; part-year amounts not included in averages. Precipitation data obtained from raim gage 70. For long-time precipitation records, see Battolani Weather Service records as Water, Fernal

197	71 DA	ILY PRECI	PITATION	(inches)			RIES	EL (WACO),	TEXAS	WATERSHED	S9-12	
Day	Jan	Feb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.02E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.04E	0.07E	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.96
3	0.02E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0	0.0
4	0.0	0.15	0.0	0.0 B	0.0	0.0	0.0	0.53	0.0	0.21	0.0	0.0
5	0 = 0	0.0	0.0	0.0	0.05B	0.0	0.0	0.38	0.0	0.038	0.0	0.68
6	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.0	0.01E	0.0	0.44
7	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.23	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.63
9	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.08E	0.0	3.07
10	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.78	0.03E	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.18
15	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.10	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	0.0
17	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	4.15	0.03
18	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.31	0.0
19	0.0	0.0	0.0	0.0	0.0	0.088	0.0	0.0	0.02B	1.16	0.0	0.0
20	0.0	0.0	0.0	0.84	0.66	0.0	0.0	0.0	0.0	1.77	0.0	0.0
21	0 - 0	0.14	0.0	0_0	0.0	0.31	4.53	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.02E	0.0	0.16	0.0	0.0	0.77	0.0	0.47	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.02E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.14	0.0	1.92	0.0	1.23	0.0	0.0	0.0
25	0.0	1.05	0.09E	0.0	0.0	0.0	1.54	0.04B	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04E	0.24	1.46	0.0	0.0	0.13	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.04E	0.55	0.0	0.0	0.0	0.0 E	0.04
29	0.0		0.0	0.20	0.0	0.0	0.92	0.0	0.0	0.0	0.0	0.02
30	0.0		0.0	0.0	0.0	0.0	0.23	0.17	0.0	0.0	0.0	0.39
31	0.0		0.0		0.04E		0.0	0.10E		0.0		0.37
OTAL	0.02	1.63	0.33	3.34	2.22	1.11	11.40	2.71	2.10	4.47	4.93	6.86
TA AV	2.01	2.72	2.24	3.94	3.81	3.51	1.81	2.06	2.68	2.80	2.90	2.43

NOTES: For daily air temperatures in the vicinity, see table for Matershed C, p. 42-002-1. Precipitation values are from rain agage 70. Records began Jan. 1, 1938; station not in operation July 1943 to June 1, 1947; part-par amounts not included in averages. STA AV based on 29 yr period. Estimate codes may indicate that non-significant event TOTALS ARE INCLUDED.

197	11	MEAN DAIL	Y DISCHAR	GE (cfs)			RIBS	EL (WACO)	TRIAS	WATERSHE	D S₩-12	
Day	Jan	Feb	Mar	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.047
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.034
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0 T
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.017
9	0 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.388
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.012
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.253	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.018	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0
21	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	.0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.042	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.011	0.0	0.0	0.0	0.0	0.0 3
31	0.0		0.0		0.0		0.0	0.0		0.0		0.001
EAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0022	0.0003	0.0	0.0	0.0090	0.0164
NCHES	0.0	0.0	0.0	0.0	0.0	0.0	0.552	0.064	0.0	0.012	2.220	4.168
VA AT	0.405	0.621	0.590	0.652	0.570	0.375	0.090	0.019	0.035	0.010	0.219	0.412

NOTES: To convert mean daily discharge in CFS to IM/DMT, multiply by 8.014025. Records began Jan. 1, 1938; station not in operation July 1943 to June 1, 1947; part-year amounts not included in averages. STA NV based on 29 yr period.

				**************************************	maco, y 1	EXAS WAT		
ANTECEDENT CONDITIO	BS	RA	INPALL			RUNOP		
Date Rainfall Mo-Day (inches) (Runoff Date inches) Mo-Da	Time	Intensity	Acc.	Date	Time	Rate (cfs)	Acc. (inches)
Mo-Day (Inches) (inches) no-ba	ty or bay	(10/00)	(inches)	no-pay	or nay	(CIS)	(Inches)
	1	VENT OF NOV	EMBER 17 -	18, 1971				
RG 000070		RG 000	070					
11-17 0.0	0.0 11-17		0.0	0.0	11-17		0.0	0.0
		1916	0.3999			1941	0.001	0.0
		1918	1-2005	0.08		1943	0.004	0.0
		1920	0.5995	0.10		1944	0.009	0.0
		1923	0.2002	0.11		1945	0.013	0.0001
NATERSHED CONDITIONS:								
00% native grass meadow	,	1924	1.8004	0.14		1946	0.020	0.0002
inches high.		1926	0.9002	0.17		1947	0.026	0.0003
		1930	1. 1998	0.25		1948	0.026	0.0004
		1931	1.2005	0.27		1950	0.021	0.0007
		1934	0.1999	0.28		1952	0.015	0.0009
		1936	0-2999	0.29		1954	0.010	0.0011
		1938	0.8998	0.32		1956	0.008	0.0012
		1940	3.9011	0.45		2001	0.004	0.0014
		1942	10.7977	0.81		2006	0.003	0.0015
		1944	3.0009	0.91		2016	0.002	0.0016
		1946	0.2998	0.92		2123	0.001	0.0022
		1949	0.1999	0.93		2126	0.003	0.0022
		1950	1, 2005	0.95		2128	0.005	0.0022
		1952	0.6003	0.97		2129	0.007	0.0022
		2000	0.1500	0.99		2130	0.011	0.0023
		2000		4.00				
		2004	0.4500	1.02		2131	0.017	0.0024
		2010 2116	0.1000	1.03		2132	0.023	0.0025
			0.0091	1.04		2133	0.032	0.0026
		2118	0.9002			2134	0.039	0.0028
		2120	2.3995	1.15		2137	0.042	0.0034
		2122	2.1007	1.22		2141	0.049	0.0044
		2124	2.0993	1.29		2142	0.054	0.0047
		2126	3.0009	1.39		2143	0.062	0.0050
		2130	2.5494	1.56		2144	0.083	0.0054
		2132	1.8004	1.62		2145	0.097	0.0060
		2134	2.6993	1.71		2146	0.115	0.0066
		2136	2.1007	1.78		2147	0.141	0.0073
		2138	2.0993	1.85		2148	0.165	0.0081
		2140	3.3008	1.96		2149	0.203	0.0093
		2142	2.9995	2.06		2150	0.273	0.0106

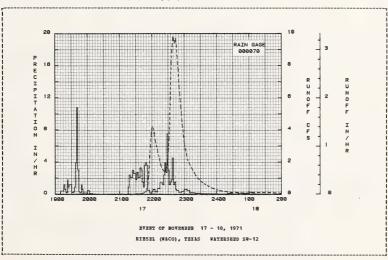
NOTES: To convert runoff in CFS to IN/HR, multiply by 0.333918.

ANTECEDER	B CONT	7086					(WACO), T		ERSHED SW-	
Date R	T COMDIT ainfall inches)	Runoff (inches)	Date Bo-Day	Time of Day	HFALL Intensity (in/hr)	Acc.	Date Ho-Day	RUNOF Time of Day	Rate (cfs)	Acc.
			EVENT OF	HOVEMBER	17 - 18,	1971 (COE	TINUED)			
			11-17	2144	1.5005	2.11	11-17	2151	0.365	0.0123
				2146	0.8998	2.14		2152	0.519 0.735	0.0147
				2148 2150	3.6007 3.8993	2.26		2153	1, 154	0.0189
				2152	3.6007	2.51		2155	1.636	0.0314
				2156	0.4500	2.54		2156	2,297	0.0419
				2200	0.1501	2.55		2157	2.976	0.0595
				2202 2204	0.2999	2.56 2.58		2158 2159	3.448	0.0767
				2206	0.5998	2.60		2200	4.136	0.1230
				2210 2215	0.3001 0.7199	2.62		2201 2202	4.197	0.1453
				2220	1.4402	2.68 2.80 2.84		2203	4.014	0.1675 0.1892
				2222 2224	1-2001	2.84		2204	3.828	0.2154
								2205	3.591	0.2352
				2226 2228	3.9011 2.6993	3.05 3.14		2206 2207	3.378	0.2538
				2230	7.4984	3.39		2208	3.052	0.2921
				2232 2234	3.0009 1.1995	3.49		2209 2210	2.799	0.3081
										0.3234
				2236 2238	1.5005 1.7995	3.58		2211 2212	2.585 2.457	0.3378
				2240	4.5009	3.79		2213	2.343	0.3674
				2242 2244	1.2000	3.83 3.88		2214 2215	2.212 2.047	0.3796 0.3938
				2246	0.5995	3.90		2216	1.883	0.4043
				2250 2255	0.4500	3.93 3.95 3.98		2218	1.666	0.4233
				2300	0.3599	3.95		2222	1.451	0.4584
				2305	0.6001	4.03		2223	1,435	0.4680
				2310 2320	0.4799 0.1800	4.07		2224 2225	1.455 1.512	0.4757 0.4836
				2330	0.1200	4.12		2226	1.590	0.4919
				2340 2400	0.0601	4.13 4.15		2227 2228	1.658	0.5027
			11-18	20	0-0	4.15		2229	1-976	0.5215
			11-10	30	0.1200	4.17		2230	2.364	0.5360
				40 50	0.0 0.1200	4.17		2231	2.856	0.5499
				100	0.1199	4.21		2233	4.504	0.5879
				110	0.2401	4.25		2234	5.921	0.6227
				200	0.0	4.25		2235 2236	7.159 8.180	0.6576
								2237	8.874	0.7442
								2238	9.386	0.8052
								2239 2240	9.781	0.8564 0.9085
								2240	9.722 9.531	0.9599
								2242	9.415	1.0232
								2244	9-692	1.1253
								2245	9.458	1.1893
								2246 2247	9.128 8.584	1.2390
								2248	8.048	1.3307
								2249	7.608	1.3830
								2250 2251	6.953	1.4219
								2252	6.097	1.4917
								2253	5.706	1.5311
								2254 2255	5.289 4.873	1.5605
								2256	4.504	1.6127
								2257 2258	4.145 3.845	1.6416
								2259	3,511	1.6826
								2300	3.233	1.7051
								2301	2.999 2.839	1.7218
								2302	2.839	1.7522
								2304	2.505	1.7695
								2305 2306	2.343	1.7825
								2307	2.080	1.8060
								2309	1.948	

HOTES: To convert runoff in CFS to IH/HR, multiply by 0.333918.

	LECTED RUBO						(WACO), T		ERSHED SW-	
	DEST CONDIS	SEOIS		RAI	BPALL			RUHOF	T .	_
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Eo-Day	Time of Day	Intensity (in/hr)	(inches)	Date Ho-Day	of Day	Rate (cfs)	Acc. (inches)
					17 - 18,	4074 (00)				
			EARMI OL	BOVERBER	1/ - 18,	1971 (CO	HII HUED)			
							11-17	2311	1.811	1.8503
								2313	1.684	1.8713
								2316	1.475	1.8987
								2319	1.308	1.9229
								2322	1.133	1.9425
								2325	1.007	1.9611
								2328	0.901	1.9777
								2331	0.801	1.9925
								2334	0.722	2.0057
								2337	0.654	2.0167
								2340	0.596	2.0276
								2343	0.534	2.0276
								2346	0.534	2.0374
								2351	0.391	2.0584
								2356	0.318	2.0683
								2400	0.271	2.0754
							11-18	3	0.246	2.0795
								6	0.221	2.0836
								11	0.188	2.0893
								16	0.162	2.0944
								21	0.139	2.0986
								26	0.113	2.1021
								36	0.096	2.1081
								46	0.080	2.1132
								51	0.074	2.1154
								56	0.074	2.1175
								101	0.081	2. 1198
								106	0.087	2.1222
								111	0.097	2, 1248
								116	0.108	2.1278
										0.4330
								126	0.107	2.1338
								136	0.100	2.1397
								146	0.085	2.1450
								156	0.069	2.1493
								206	0.055	2.1529
								216	0.044	2.1557
								226		2.1579
								236	0.031	2.1598

BOTES: To convert runoff in CFS to IM/EE, multiply by 0.333918.



LOCATION: Falls Co., Texas; 19 mi. SE of Waco; Brazos River Basin.

AREA: 2.99 acres

EC	NTHLY	PRECIE	ITATION	AND I	RUNOFF	(inche:	5)			RIESE	(WACO),	TEXAS	WATERSHE	D SW-17		
		Jan	Feb	Bas	: 1	pr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	A	nnual
1971	P Q	0.0	1.55	0.0		. 26	2.35 0.0	1.40	10.09	3.5		3.99 0.320	4.56 2.055	6.89 3.51		0.19 7.448
TA AV	P Q	1.90 0.388	2.77 0.641	2.2		- 09 - 961	3.75 0.789	3.42 0.721	1.84	2.2				2.51 0.59		3.59 5.963
	ANNO	AL HAXI		CHARG	8 (in/h	r) AHD						OR SELEC		INTERVA	LS	
		Disch Date		1 Date	Vol.	2 F Date	Wol.	6 He Date		12 Ho		1 Day te Vol.		ys ∀ol.	8 D Date	
1971		11-17	1.760	12- 9	1.038	11-17	1.737	11-17	2.038	12- 9	2.439 12-	8 2.829	12- 7	2.829 1	2- 1	7.716
1971		11-17	1.760	12- 9	1.038		1.737					8 2,829	9 12- 7	2.829 1	2- 1	7.716

HOTES: Watershed conditions: 100% Bermudagrass pasture. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USBA Bisc. Pub. 345, p. 42.28-5. Precipitation and rumoff record began Feb. 1, 1939; station mot in operation July 1934 50 dam. 1, 1949; part-year quotus not included in a wexages. Precipitation data obtained from rain gage W-2. For long-time precipitation records, see Mational Weather Service records at Waco, Texas.

1971	DA	ILY PRECI	PITATION	(inches)			RIES	EL (WACO),	TEXAS	WATERSHED	SH-17	
Day	Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	Oct	HOV	Dec
1 2	0.0	0.0 0.03E	0.03E	0.01E 0.0	0.0	0.0	0.0	0.0 0.36	0.0 0.04E	0.0	0.0	0.0 1.01
1 4	0.0 E	0.0 0.14 0.0	0.0	0.0 0.0 E 0.0	0.0 0.0 0.06E	0 - 0 0 - 0 0 - 0	0.0	0.0 1.52 0.08E	0.0	0.55 0.21 0.0	0.0	0.0 0.0 0.67
6 7	0.0	0.0	0.0	0.0	0.56 0.028	0.0	0.0	0.0 0.25	0.0	0.01E	0.0	0.45
8 9	0.0	0.0	0.0	0.0	0.0 0.10E	0.0	0.0	0.0	0.27	0.0 0.05E	0.0	0.57 3.15
1 10	0.0	0.0	0.0	0.0	0.97	0.0	0.0	0.0	0.0	0.0	0.0	0.02
12 13	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0 0.06E 0.15
1 14	0.0	0.0	0.0	0.0	0.0	0.0 0.33	0.0	0.12B 0.0	0.0	0.0	0.0	0.15
1 16 1 17 1 18	0.0	0.0 0.0 0.15	0.0	2.00 0.18 0.0	0-0 0-0	0 - 0 0 - 0 0 - 0	0.0	0.0 0.0	0 - 0 0 - 0	0.09E 0.0 0.13	0.0 3.87 0.26	0.0 0.03E 0.0
1 19	0.0	0.0	0.0	0.0	0.0	0.08E	0.0	0.0	0.01E	1.05	0.0	0.0
21	0.0	0.14	0.0	0.0 0.04E	0.0	0.60 0.01B	2.93 0.0	0.0	0.0 0.78	0.0	0.0 0.43	0.0
23 1 24 1 25	0.0 0.0 0.0	0.0 0.0 1.09	0.0 0.0 0.07E	0.0 0.0 0.0	0.0 0.15 0.0	0.0 0.0 0.0	0.22 1.94 1.55	0.0 0.0 0.0 E	0.0 1.18 0.0	0.02E 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
26 27	0.0 0.0	0.0	0.0	0.0 0.0	0.0 0.03E	0.0 0.36	0.0 1.10	0.0	0.0	0.08 0.21	0.0	0.0
1 28 1 29 1 30	0.0 0.0 0.0	0.0	0.0 0.0 0.0	0.0 0.22 0.0	0.0 0.0 0.0	0.02E 0.0 0.0	0.66 1.44 0.25 0.0	0.0 0.0 0.46 0.02E	0.0 0.0 0.0	0.0 0.0 0.0	0.0 E 0.0 0.0	0.04B 0.02B 0.33 0.39
TOTAL STA AV	0.0	1.55	0.24	3.26 4.09	2.35 3.75	1.40 3.42	10.09	3.58 2.25	2.28	3.99 3.02	4.56 3.00	6.89 2.51

HOTES: For daily air temperatures in the vicinity, see table for Watershed C, p. 42.002-1. Procipitation values are from rain gage W-2. Records began Feb. 1, 1939; station not in operation July 1943 to Jan. 1, 1948; part-year amounts not included in averages. STA NY based on 27 yr period. Estimate codes may indicate that non-significant event totals are included.

197	/1	BEAN DAIL	T DISCHAR	GB (cfs)			BIBS	BL (WACO)	, TEXAS	WATERSHE	D S₩-17	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.011
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.090	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.013
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.013
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.385
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.017
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.233	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.025	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.040	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.037	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0033	0.0030	0.0	0.0013	0.0086	0.0
CHES	0.0	0.0	0.0	0.0	0.0	0.0	0.826	0.736	0.0	0.320	2.055	3.51
A AV	0.388	0.641	0.695	0.961	0.789	0.721	0.205	0.096	0.170	0.175	0.525	0.59

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 7.960419. Records began Feb. 1, 1939; station not in operation July 1943 to Jan. 1, 1948; part-year amounts not included in averages. STA AV based on 27 yr period.

1 SELECT	BD RUBO	FF SVENT					(WACO), T		BESHED SW-	
ANTECEDENT					HPALL			RUNOR		
	infall nches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVE	NT OF BOV	EBBER 17 -	18, 1971				
8G 0	000W2			RG 0000	1¥2					
11-17	0.0	0.0	11-17	1912	0.0	0.0	11-17	1936	0.0	0.0
				1916	1.2000	0.08		1937	0.001	0.0
				1920	0.1499	0.09		1938	0.007	0.0
				1922	2.7005	0.18		1939	0.019	0.0001
				1924	0.8998	0.21		1940	0.025	0.0002
ATERSHED CON	DITIONS:									
0% Bermudagr				1926	1, 2005	0.25		1941	0.023	0.0003
inches high				1928	0.2998	0.26		1943	0.013	0.0005
				1930	0.6000	0.28		1944	0.008	0.0006
				1936	0.1000	0.29		1945	0.005	0.0006
				1938	4.1991	0.43		1949	0.002	0.0007
				1940	5.1012	0.60		1954	0.0	0.0007
				1943	3.0000	0.75		2019	0.0	0.0007
				1946	0,3998	0.77		2115	0.0	0.0007
				1950	0.3001	0.79		2116	0.0	0.0007
				2000	0.1800	0.82		2117	0.003	0.0007
				2002	0.3004	0.83		2118	0.005	0.0007
				2030	0.0214	0.84		2120	0.007	0.0008
				2100	0.0200	0.85		2121	0.011	0.0008
				2110	0.0	0.85		2122	0.017	0.0009
				2115	0.2400	0.87		2124	0.028	0.0012
				2118	1.8004	0.96		2125	0.033	0.0014
				2120	2.3995	1.04		2126	0.051	0.0016
				2122	2.7005	1.13		2127	0.099	0.0021
				2126	2.5500	1.30		2128	0.148	0.0027
				2128	2.9995	1.40		2129	0.200	0.0036
				2130	2.3995	1.48		2130	0.274	0.0051
				2133	4.0009	1.68		2131	0.410	0.0069
				2136	1.7998	1.77		2132	0.524	0.0093
				2140	2.5500	1.94		2133	0.576	0.0122
				2142	32993	2.05		2134	0.655	0.0162

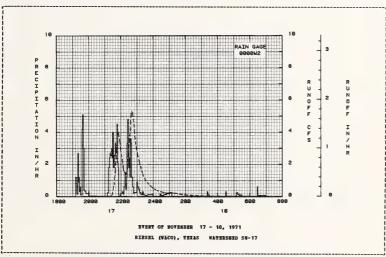
NOTES: To convert runoff in CFS to IN/HE, multiply by 0.331684.

						RIESEL			ERSHED SW-	
	ENT CONDIC	TIONS Runoff	Date	RAI Time	NPALL Intensity	Acc.	Date	RUNOP Time	PRate	Acc.
Ho-Day	(inches)	(inches)	No-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
				NOVERBER		1971 (CO)				
			11-17	2144	2.7010 2.9991	2.14	11-17	2135 2136	0.744	0.0198
				2148	4.5014	2.39		2137	1.080	0.0291
				2150	2.0993	2-46		2138	1.310	0.0368
				2152	1.8004	2.52		2139	1.513	0.0441
				2200 2206	0.0751	2.53		2140	1.795	0.0527
				2206	0.1999 0.3002	2.55		2141	2.005 2.172	0.0625
				2212	0.1499	2.57		2143	2.357	0.0877
				2216	0.6001	2.61		2144	2.549	0.1004
				2218	1.5000	2.66		2145	2.870	0.1180
				2222 2224	0.4500 1.2000	2.69		2146 2147	3.218 3.646	0.1338
				2226	3.3008	2.84		2148	3.826	0.1710
				2228	4.7991	3.00		2149	3.908	0.1961
				2230	2.6993	3.09		2150	3.997	0.2166
				2232 2234	1.8004 2.3995	3.15 3.23		2151 2152	4.025 3.963	0.2374
				2236	1.2001	3.27		2154	3.963 3.719	0.3029
				2238	3.5995	3.39		2156	3.476	0.3402
				2240	3.3008	3.50		2158	3.236	0.3793
				2242 2244	1.1995 1.2005	3.54		2159 2201	3.059 2.778	0.3956 0.4296
				2247	0.5999	3.61		2203	2.473	0.4568
				2250	0.1999	3.62		2205	2.299	0.4846
				2255	0.2401	3.64		2207	2.058	0.5072
				2300	0.2398	3.66 3.69		2209 2211	1.795	0.5297
				2306	0.6001	3.73		2213	1.530	0.5657
				2310	0.4500	3.76		2215	1.476	0.5832
				2315	0.2400	3.78		2217	1.513	0.5987
				2320 2324	0.1199	3.79 3.81		2219 2221	1.440	0.6159 0.6306
				2330	0.0999	3.82		2222	1.356	0.6377
				2340	0.0601	3.83		2223	1.411	0.6467
				2400	0.1200	3.87		2224	1.555	0.6544
			11-18	26 30	0.0 0.1499	3.87 3.88		2225 2226	1.754	0.6630 0.6728
				40	0.0601	3.89		2227	2.320	0.6869
				50	0.1199	3.91		2228	2.587	0.6996
				100	0.1800	3.94		2229	2.870	0.7137
				105 110	0.2401	3.96 3.98		2230 2231	3.059 3.206	0.7329
				200	0.0	3.98		2232	3.431	0.7663
				322	0.0	3.98		2233	3.613	0.7846
				324	0.2998	3.99		2234	3.772	0.8085
				330 430	0.1001	4.00		2235 2236	3.928 4.194	0.8285
				432	0.2998	4.02		2237	4.624	0.8723
				510	0.0158	4.03		2238	5.029	0.9036
				515	0.2399	4.05		2239	5-211	0.9301
				520 524	0.1201	4.06		2241 2242	5.307 5.291	0.9846
				530	0.0999	4.07		2244	5.227	1.0734
				628	0.0104	4.08		2246	4.967	1.1328
				630	0.5997	4.10		2248	4.654	1.1827
				650 700	0.0600	4.12 4.13		2250 2252	4.308 3.908	1.2350
				. 50	55 3000			2254	3.554	1.3211
								2256	3.243	1.3563
								2259	2.894	1.4080
								2302	2.648	1.4547
								2308	2.452 2.248	1.5373
								2311	2.024	1.5705
								2314	1.850	1.6031
								2316 2318	1.688	1.6237
								2320	1.476	1.6584
								2322	1,392	1,6733
								2324	1.264	1.6888
								2329	1.111 0.972	1.7211 1.7508
								2339	0.860	1.7757
								2344	0.770	1.7979

NOTES: To convert runoff in CFS to IN/HB, multiply by 0.331684.

SEI	ECTED RUNO	EF DVENT				BIRDEL	(WACU), T	DAMS WAT	ERSHED SW-	
ARTECE	BHT COMDI	TIONS		BAI	NYALL			RUBOF	P	
Date No-Day	Rainfall (inches)	Runoff (inches)	Date No-Day		Intensity (in/hr)	Acc.	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			272H- 02	HOWPHRAD	17 - 18,	1971 (00)	#7##PN			
			21221 01	201222	17 10,	1377 (60)	allacas,			
							11-17	2349		1.8186
								2354		1.8362
								2357	0.562	1.8461
								2400	0.518	1.8552
							11-18	4	0-470	1.8661
								9	0.425	1.8783
								19	0.383	1.8893
								19	0.344	1.8997
								29	0.298	1.9172
								39	0.245	1.9323
								94	0.222	1.9387
								49	0.209	1.9448
								53	0.209	1.9494
								57	0.220	1.9541
								101	0.217	1.9589
								101	0.217	1.9509
								104	0.228	1.9626
								109	0.228	1.9688
								114	0.219	1.9749
								119	0.206	1.9810
								129	0.182	1.9916
								139	0.149	2.0008
								149	0.123	2.0084
								159	0.104	2.0146
								209	0.085	2.0199
								219	0.070	2.0242
								239	0.048	2.0307
								259	0.034	2.0352
								319	0.024	2.0384
								339	0.024	2.0408
								359	0.015	2.0427
										2.0427
								419	0.011	2.0441
								509	0.008	2.0467
								529	0.011	2.0477
								559	0.009	2.0494
								659	0.007	2.0521
								759	0.004	2.0539
								859	0.001	2.0547

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.331684.



RIESEL (WACO), TEXAS WATERSHED SW-19

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin.

AREA: 3.25 acres

HC	DETHL	PRECIP	ITATION	AND RUE	OFF (inc	hes)		BIES	EL (WACO)	, TEXAS	WATERS	BED S₩-	19	
		Jan	Peb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Hov	Dec	Annual
1971	P Q	0.01	1.30	0.42	3.15 0.0	2.35 0.0	0.92 0.0	11.85 1.672	2.49 0.050	1.79 0.0	4.54 0.067	5.29 2.399	6.58 3.024	40.69 7.212
STA AV	P Q	0.01 0.0	1.30 0.0	0.42 0.0	3.15 0.0	2.35 0.0	0.92 0.0	11.85 1.672	1.68 0.050	4.05 0.0	4.28 0.045	2.81 1.199	3.73 1.512	36.54 4.478
	ANNU			CHARGE	(in/hr)	ND MAXIMU							INTERVALS	
		Maxi Disch Date	arge	1 Hot Date V		2 Hours ite Vol.	6 H		or Select 12 Hours ate Vol.	1	Day Vol.			8 Days te Vol.
1971		11-17	2.938	11-17 1	.727 11-	17 2.269	11-17	2.376 11	-17 2.39	6 11-17	2.399	12- 8	2.483 12-	2 3.015
						BAXIBUB	5 POR P	ERIOD OF	BECORD					
		11-17	2.938	11-17 1		17 2.269	11-17 1971		-17 2.39 971	6 11-17 1971	2.399	12- 8 1971		2 3.015

EGTES: Watershed conditions: 100% rangeland grasses with moderate infestation of honey mesquite, moderately grazed. For map of watershed, see Bydrologic Data for Agricultural Watersheds in the United States, 1970, USDA Hisc. Pub. 1880, p. 42.035-4. Precipitation and runoff records began September 1, 1970, art year records are included in the STA AN. Precipitation data obtained from rain gage 56-B. For long-time precipitation records, see National Weather Service records at Waco, Texas.

1971	DÀ	ILY PRECI	PITATION	(inches)			RIESEL (ACO), TE	AS WATER	SHED SW-1	9	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.01B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.04B	0.12	0.0	0.0	0.0	0.0	0.34	0.0 E	0.0	0.0	1.01
3	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0
4	0.0	0.08E	0.0	0.0 E	0.0	0.0	0.0	0.58	0.0	0.17	0.0	0.0
5	0.0	0.0	0.0	0.0	0.03E	0.0	0.0	0.17	0.0	0.04E	0.0	0.73
6	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.0	0.0	0.028	0.0	0.45
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02E	0.0	0.0	0.64
9	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.0	0.09E	0.0	2.50
10	0.0	0.0	0.0	0.0	1.27	0.0	0.0	0.0	0.0	0.0	0.0	0.05
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.20
15	0.0	0.0	0.0	0.0	0.0	0.04E	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.97	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0
17	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	4.55	0.03
18	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.25	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02E	1.65	0.0	0.0
20	0.0	0.0	0.0	0.82	0.74	0.0	0.0	0.0	0.0	1.35	0.0	0.0
21	0.0	0.17	0.0	0.0	0.0	0.32	5.11	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0	0.0	0.77	0.0	0.49	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.02E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.11E	0.0	2.12	0.0	0.98	0.0	0.0	0.0
25	0.0	0.80	0.10E	0.0	0.0	0.0	1,62	0.16	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
27	0.0	0.0	0.0	0.0	0.02E	0.54	1.30	0.0	0.0	0.15	0.0	0.0
28	0_0	0.0	0.0	0.0	0.0	0.02E	0.25	0.0	0.0	0.0	0.0 E	0.04
29	0.0		0.0	0.20	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.02
30	0.0		0.0	0.0	0.0	0.0	0.27	0.15	0.0	0.0	0.0	0.45
31	0.0		0.0		0.03E		0.0	0.0		0.0		0.39
OTAL	0.01	1.30	0.42	3.15	2.35	0.92	11.85	2.49	1.79	4.54	5.29	6.58
TA AV	0.01	1.30	0.42	3.15	2.35	0.92	11.85	1.68	4.05	4.28	2.81	3.73

HOTES: For daily air temperature in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are from rain gage 568. Records began September 1, 1970. STA AV based on 2 yr (1970-71) record period. Estimate codes may indicate that non-significant event totals are included.

19	71	BEAR DAI	LY DISCHA	RGE (cfs)			RIESEL (WACO), TE	XAS WAT	BRSHED SW-	19	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	oct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.010
3	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.034
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.027
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.322
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.014
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.316	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.011	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.048	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.024	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.088	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.034	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.031	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.001
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0074	0.0002	0.0	0.0003	0.0109	0.013
CHES	0.0	0.0	0.0	0.0	0.0	0.0	1,672	0.050	0.0	0.067	2,399	3.02
VA A	0.0	0.0	0.0	0.0	0.0	0.0	1.672	0.050	0.0	0.045	1.199	1.51

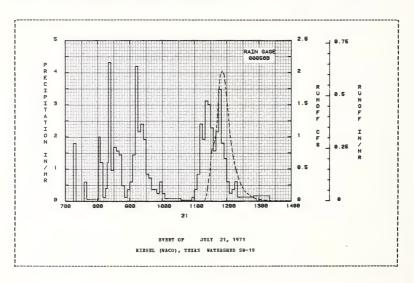
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 7.323585. Records began September 1, 1970. STA AV based on 2 yr (1970-71) record period.

1 SE	LECTED RUNO	FF EVENT				ESEL (MACC), TEXAS	WATERSHEI) 5#-19	
	DENT COMDI	TIONS		RAI	INPALL			RUBOFI		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			Е	VENT OF	JULY 21	, 1971				
,	RG 00056B			RG 000	60					
7-21	0.0	0.0	7-21	715	0.0	0.0	7-21	1115	0.0	0.0
		•••		720	1.8000	0.15		1117	0.002	
				735	0.0	0.15		1118	0.004	0.0
				740	0.6000			1119	0.014	0.0001
				802	0.0545	0.22		1120	0.027	0.0002
TERSHED	CONDITIONS									
	land grasses			805	2,0000	0.32		1121	0.047	0.0004
inches t	all, with me	oderate		810	1, 2000	0.42		1122	0.081	0.0007
festatio	n of honey	mesquite.		815	0.1200	0.43		1123	0.124	0.0013
				818	0.4000	0.45		1124	0.179	0.0020
				820	1.2000	0.49		1125	0.245	0.0030
				825	4.3200	0.85		1126	0.292	0.0043
				830	0.9600	0.93		1127	0.350	0.0062
				835	1.6800	1.07		1128	0.403	0.0080
				840	1.5600	1.20		1129	0-477	0.0101
				845	1.4400	1.32		1130	0.613	0.0133
				850	0.4800	1.36		1131	0.697	0.0164
				855	0.1200	1.37		1132	0.763	0.0199
				900	0.3600	1.40		1133	0.818	0.0237
				905	0.6000	1.45		1136	0.875	0.0368
				910	1.4400	1.57		1138	0.937	0.0465
				915	4.2000	1.92		1140	1-070	0.0561
				920	2-1600	2.10		1142	1.217	0.0684
				925	2.4000	2.30		1143	1.328	0.0745
				930	1.9200	2.46		1144	1.495	0.0812
				935	0.8400	2.53		1145	1.634	0.0905
				940	0.7200	2.59		1146	1.754	0.0986
				945	0.3600	2.62		1147	1.892	0.1073
				950	0.3600	2.65		1148	1.965	0.1165
				955	0.2400	2.67		1150	1.993	0.1377
				1000	0.6000	2.72		1152	2.030	0.1569
				1005	0.2400	2.74		1155	1.960	0.1878
				1035	0.0800	2.78		1157	1.847	
				1055	0.0300	2.79		1159	1.672	0.2250
				1100	0.1200	2.80		1201	1.507	0.2421
				1105	0.3600	2.83		1203	1.316	0.2556

NOTES: To convert runoff in CFS to IB/HE, multiply by 0.305149.

SELEC	TED RUNOR					ESEL (WACC		WATERSEE		
ANTECEDER					INPALL			RUNOF		
	ainfall inches)	Runoff (inches)	Date No-Day		Intensity (in/hr)		Date Ho-Day	Time of Day		Acc. (inches
			EVENT (OP JU1	LT 21, 197	1 (CONTIN	(UED)			
			7-21	1110	0.8400	2.90	7-21	1205	1.157	0.2689
				1115	2.4000	3.10		1206	1.060	0.2742
				1120	1.9200	3.26		1207	0.975	0.2791
				1125	3.1200	3.52		1208	0.906	0.2847
				1130	3.0000	3.77		1209	0.863	0.2889
				1135	2.2800	3.96		1210	0.806	0.2929
				1140	1.5600	4.09		1211	0.760	0.2966
				1145	2.1600	4.27		1212	0 705	0.3010
				1150	3-4800	4.56		1213	0.649	0.3042
				1155	1.8000	4.71		1215	0.571	0.3107
				1200	1.3200	4.82		1217	0.500	0.3158
				1205	0.6000	4.87		1219	0.431	0.3208
				1210	0.2400	4.89		1221	0.390	0.3247
				1215	0.3600	4.92		1223	0.333	0.3286
				1220	0.6000	4.97		1225	0.287	0.3316
				1250	0.1200	5.03		1227	0.246	0.3345
				1320	0.1600	5.11		1229	0.214	0.3367
								1231	0.187	0.3389
								1233	0.159	0.3405
								1235	0.139	0.3421
								1238	0.119	0.3441
								1241	0.098	0.3457
								1244	0.084	0.3471
								1247	0.061	0.3482
								1250	0.048	0.3490
								1255	0.032	0.3500
								1300	0.022	0.3507
								1305	0.015	0.3512
								1310	0.010	0.3515
								1315	0.007	0-3517
								1320	0.004	0.3518
								1330	0.002	0.3520
								1340	0.001	0.3521
								1400	0.0	0.3522
								1600	0.0	0.3522

HOTES: To convert runoff in CFS to IM/HB, multiply by 0.305149.



RIESEL (WACO), TEXAS WATERSHED SW-20

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin.

AREA: 3.21 acres

BO	NTHLY	PRECIE	PITATION	AED R	BOFF	(inches	s)		RIES	EL (WACO)	, TEXAS	WATERS	HED SW-	-20		
		Jan	Feb	Mar	Ap	F	Hay	Jun	Jul	Aug	Sep	0ct	Hov	Dec		Annual
	P	0.01	1.30	0.43			2.35	0.92	11.85	2.49	1.79	4.54	5.29			40.69
1971	Q	0.0	0.0	0.0	0.	011	0.005	0.0	2.400	0.076	0.0	0.112	2.55	1 3.3	27	8.482
STA AV	P	0.01	1.30	0.43	2 3.	15	2.35	0.92	11.85	1.68	4.05	4.28	2.81	3.7	3	36.54
	Q	0.0	0.0	0.0	0.	011	0.005	0.0	2.400	0.076	0.002	0.037	0.232	2 0.3	02	3.066
	YMBU	AL HAXI	NUM DIS	CHARGE	(in/hr) AND	HAXINU	VOLUE	ES OF RUBO	FF (inch	es) POR	SELECIE	D TIME	INTERV	ALS	
	NHU	Maxi	.nun					daxinum	Volume fo	r Select	ed Time	Interva	1			Dave
	ANNU		mum arge		our	2 B	lours	faximum 6 H		r Select 2 Hours	ed Time	Interva	1 2 Da	INTERV	8	Days Vol.
1971		Maxi Disch	mum arge Rate	1 Ec	our Vol.	2 B Date	Hours Vol.	daximum 6 H Date	Volume fo	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Da Date	lys Vol.	8 Date	Vol.
1971		Maxi Disch Date	mum arge Rate	1 Ec	our Vol.	2 H Date	Hours Vol. 2.387	Saximum 6 H Date 11-17	Volume for ours Vol. Da	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Da Date	lys Vol.	8 Date	Vol.

NOTES: Watershed conditions: 100% rangeland grasses with moderate infestation of homey menquite, moderately grazed. For map of watershed, see Hydrologic Data for Experimental Agricultural Watershed in the United States, 1707, USDA Misc. Pub. 1309, p. 42,036-5. Precipitation and runoff records began September 1, 1970, part year records are included in STA AV. Precipitation data obtained from rain gage 56-5. For long-time precipitation records, see Rational Weather Service records at Waco, Texas.

1971	Dâ	ILY PRECI	PITATION	(inches)			BIESEL (WACO), TE	KAS WATER	SEED SW-2	0	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
3	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.04B	0.12	0.0	0.0	0.0	0.0	0.34	0.0 B	0.0	0.0	1.01
3	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0
4	0.0	0.08E	0.0	0.0 E	0.0	0.0	0.0	0.58	0.0	0.17	0.0	0.0
5	0.0	0.0	0.0	0.0	0.03E	0.0	0.0	0.17	0.0	0.04E	0.0	0.73
6	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.0	0.0	0.022	0.0	0.45
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02B	0.0	0.0	0.64
9	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.0	0.09E	0.0	2.50
10	0.0	0.0	0.0	0.0	1. 27	0_0	0.0	0.0	0.0	0.0	0.0	0.05
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.20
15	0.0	0.0	0.0	0.0	0.0	0.048	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.97	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0
17	0.0	0.0	0.0	0 15	0.0	0.0	0.0	0.0	0.0	0.0	4.55	0.03E
18	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.25	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02E	1.65	0.0	0.0
20	0.0	0.0	0.0	0.82	0.74	0.0	0.0	0.0	0.0	1.35	0.0	0.0
21	0.0	0.17	0.0	0.0	0.0	0.32	5.11	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0	0.0	0.77	0.0	0.49	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.02E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.11E	0.0	2.12	0.0	0.98	0.0	0.0	0.0
25	0.0	0.80	0.10E	0.0	0.0	0.0	1.62	0.16	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
27	0.0	0.0	0.0	0.0	0.02E	0.54	1.30	0.0	0.0	0.15	0.0	0.0
28	0.0	0.0	0.0	0.0	0_0	0.02E	0.25	0.0	0.0	0.0	0.0 E	0.04E
29	0.0		0.0	0.20	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.02E
30	0.0		0.0	0.0	0.0	0.0	0.27	0.15	0.0	0.0	0.0	0.45
31	0.0		0.0		0.03E		0.0	0.0		0.0		0.39
TOTAL	0.01	1.30	0.42	3. 15	2.35	0.92	11.85	2.49	1.79	4.54	5.29	6.58
STA AV	0.01	1.30	0.42	3.15	2.35	0.92	11.85	1.68	4.05	4.28	2.81	3.73

NOTES: For daily air temperature in the vicinity, see table for Natershed C, p. 42.002-1. Precipitation values are from rain gage 568. Records began September 1, 1970. \$37 AV based on 2 yr (1970-1971) record period. Estimate codes may indicate that non-significant event totals are included.

197	1		LY DISCHAI	GE (cfs)			RIESEL (WACO), TE	KAS WATE	RSHED SW-	20	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.013
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 5
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.036
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.030
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.342
10	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.015
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.330	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.014	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 \$	0.0	0.0
20	0.0	0.0	0.0	0.001	T 0.0	0.0	0.0	0.0	0.0	0.015	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.090	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0 .	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.042	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.109	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.048	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0-0	0.0	0.0	0.032	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.00
31	0.0		0.0		0.0		0.0	0.0		0.0		0.00
AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0104		0.0	0.0005	0.0115	0.01
CHES	0.0	0.0	0.0		0.005	0.0		0.076	0.0	0.112	2.551	3.3
A AV	0.0	0.0	0.0	0.011	0.005	0.0	2.400	0.076	0.002	0.037	0.232	0.3

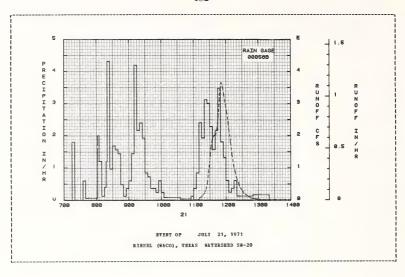
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 7.444845. Records began September 1, 1970. STA AV based on 2 yr (1970-71) record period.

1 SELECTED BUNOF				RI	ERET (MYCO), TEXAS	WATERSHED	SW-20	
ANTECEDENT CONDIT	IONS		RAS	NFALL			RUNOPP		
	Runoff		Time	Intensity	Acc.	Date	Time	Rate	Acc.
Mo-Day (inches)	(inches)	Bo-Day		(in/hr)	(inches)	No-Day	of Day		(inches)
			VENT OF	JULY 21	, 1971				
		E	VENT OF	JULI 21	, 1971				
RG 00056B			RG 0005						
7-21 0.0	0.0	7-21	715	0.0	0.0	7-21	1104	0.0	0.0
			720	1.8000	0.15		1106	0.001	0.0
			735	0.0	0.15		1107	0.004	0.0
			740	0.6000	0.20		1108	0.007	0.0
			802	0.0545	0.22		1109	0.017	0.0001
ATERSHED CONDITIONS:			0.05		0.20		4440	0.000	0.0000
0% rangeland grasses			805	2,0000	0.32		1110	0.030	0.0002
inches tall, with mo			810	1.2000	0.42		1111	0.058	0.0004
festation of honey m	esquite.		815	0.1200	0.43		1112	0.076	0.0008
			818	0.4000	0.45		1113	0.089	0.0012
			820	1.2000	0.49		1114	0.099	0.0017
			825	4.3200	0.85		1115	0.118	0.0024
			830	0.9600	0.93		1116	0.133	0.0030
			835	1.6800	1.07		1117	0.157	0.0037
			840	1.5600	1.20		1118	0.173	0.0045
			845	1.4400	1.32		1119	0.198	0.0056
			850	0.4800	1.36		1120	0.217	0.0066
			855	0_1200	1.37		1121	0.248	0.0077
			900	0.3600	1.40		1122	0.295	0.0090
			905	0.6000	1.45		1123	0.340	0.0109
			910	1.4400	1.57		1124	0.409	0.0127
			915	4.2000	1.92		1125	0.493	0.0149
			920	2.1600	2.10		1126	0.605	0.0176
			925	2.4000	2.30		1127	0.769	0.0217
			930	1.9200	2.46		1128	0.940	0.0258
			935	0.8400	2.53		1129	1.094	0.0307
			940	0.7200	2.59		1130	1.203	0.0376
			945	0.3600	2.62		1131	1.408	0.0439
			950	0.3600	2.65		1132	1.580	0.0511
			955	0.2400	2.67		1133	1.706	0.0590
			1000	0-6000	2.72		1134	1.829	0.0697

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.308952.

SELEC	TED BUNOF	r EVENT			BT1	SPET (MWCC), TEXAS	WATERSHEE	5#=20	
ARTECEDER	T COMDIT	IONS		RAINI	PALL			RUNOPP		
Date B	ainfall	Runoff	Date	Time D	ntensity	Acc.	Date	Time	Rate	Acc.
Ho-Day ((inches)	(inches)	Ho-Day	or Day	(ID/PL)	(lnches)	Bo-Day	or Day	(CIS)	(inches)
			EVENT O	P JULY	21, 1971	(CONTIN	UED)			
			7-21	1005	0.2400	2.74	7-21	1135	1.883	0.0787
				1035		2.78		1137	1.988	0.0787 0.0974 0.1192
				1055	0.0300	2.78 2.79		1139	2.025	0.1192
				1100	0. 1200	2.80		1141	2.035	0.1388
				1105	0.3600	2.83		1142	2.082	0.1512
				1110	0.8400	2.90		1143	2.159	0.1614 0.1722 0.1866
				1115	2-4000	3.10 3.26 3.52		1144	2.302	0.1722
				1120	1.9200	3.26		1145	2.480	0.1866
				1125	3.1200	3.52		1144 1145 1146	2.682	0.1991
				1130	3.0000	3.77		1147		0.2126
				1135	2.2800	3.96		1148	3-178	0.2273
				1140	1.5600	4.09		1149	3.430	0.2473
				1145	2.1600	4.27		1150	3.544	0.2640
				1150 1155	3.4800 1.8000	4.56		1150 1151 1152	3.652	0.2814
								1152	3.016	J. 2909
				1200	1.3200	4.82		1154	3.490	0.3375 0.3702 0.4045
				1205	0.6000	4.87		1156	3.280	0.3702
				1210 1215	0.2400	4.89 4.92		1158 1200	3.041 2.875	0.4045 0.4366
				1220	0.6000	4.97		1202	2.661	0.4633
				1250		E 03		1204	2 202	0 0007
				1250 1320	0.1200 0.1600	5.03		1204	2.393	0.4907 0.5125
				.520	0. 1000	24 ***		1208	1.838	0.5340
								1209	1 698	0.5425
								1210	1.551	0.5503
								1211	1.408	0.5574
								1212	1.328	0.5657
								1213	1.181	0.5718
								1214	1.091	0.5718 0.5773 0.5837
								1215	1.014	0.5837
								1217		0.5928
								1219	0.724	0.6015
								1221	0.615	0.6080
								1221 1223	0.540	0.6080 0.6143 0.6190
								1223	0.433	
								1227		0.6233
									0.317	
								1231 1233	0.266	0.6298
								1233	0.210	0.6321
								1239	0.140 0.111 0.081	0.6376
								1242	0.111	0.6396
								1247	0.064	0.6418
								1249	0.055	0.6424
								1251	0.0119	0.6429
									0.048	0.6431
									0.035	
								1255	0.030	0.6437
								1257	0.029	0.6440
								1259	0.024	0.6443
								1302	0.024 0.019 0.013	0.6446
								1305	0.013	0.6449
								1309	0.011	0.0401
								1329	0.009	0.6461
								1359	0.008	0.6474
								1759	0.007	0.6567

HOTES: To convert runoff in CFS to IN/HE, multiply by 0.308952.



RIESEL (WACO), TEXAS WATERSHED Y-13

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin.

AREA: 11.30 acres

BC	ONTHLY	PRECIP	ITATION	AND RO	NOPP	inches	5)		RIES	SET (MY	CO), TEXAS	WATER:	SHED A-	13		
		Jan	Peb	Mar	A	r	Нау	Jun	Jul	λug	Sep	0ct	Nov	Dec	1	nnual
1971	P Q	0.01	1.71	0.31	3.		2.18 0.0	1.18	11.25 0.386	2.65 0.12		4.42 0.363	4.87 0.0	7.10		1.10 0.870
STA AV	P Q	0.55 0.001	2.98 0.325	3.04 1.21			1.85 0.013	0.63 0.0	3.99 0.129	1.70 0.04		4.67 0.265	2.39 0.0	3.93 0.16		2.36 2.559
	AHNO	Haxi Disch	oum					axinum	Volume 1	or Sel	ected Time	Interv	1		LS 8 I	ays
		Date :	ate	Date	Vol.	Date	Vol.	Date	Vol. I	ate ₹	ol. Date	Vol.	Date	Ŷol.	Date	Vol.
1971		7-27	2.062	10-20	0.324	10-20	0.359	10-20	0.363 10	-19 0	.363 10-19	0.363	10-18	0.363	7-27	0.386
1971		7-27	2.062	10-20	0.324				0.363 10			0.363	10-18	0.363	7-27	0.386

norms: Naturahed conditions: 96f fall planted eats: 95 grassed seterway. Cropland planted on graded furrows. For says of watershed, see Mytcholegic Data for Experimental spricultural Netersheds in the United States, 1969, USDA Misc. Pub. 1370, p. 82.037-5. Precipitation and runoff records begon January 1, 1969. Precipitation data obtained from rain gage 70-4. For long-time precipitation records, see Rational Weather Service conduct at Waco, Texas.

197	D D A	ILY PRECI	PITATION	(inches)			RIESEL (WACO), TEX	AS WATER	SHED Y-13		
Day	Jan	Peb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	How	Dec
1	0.0	0.0	0.0	0.022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.07E	0.0	0.0	0.0	0.0	0.35	0.0 E	0.0	0.0	1.01
3	0.01E	0-03E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0
4	0.0	0.19	0.0	0.0 E	0.0	0.0	0.0	0.59	0.0	0.18	0.0	0.0
5	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.36	0.0	0.03E	0.0	0.72
6	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.01E	0.0	0.50
7	0.0	0.0	0.0	0.0	0.02E	0.0	0.0	0.22	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06B	0.0	0.0	0.59
9	0.0	0.0	0.0	0.0	0.102	0.0	0.0	0.0	0.0	0.10E	0.0	3.07
10	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.03
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.69	0.03E	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.19
15	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.13	0.0	0.0	0.0	0.0	0.0	0.08E	0.0	0.0
17	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.0	0.0	4.09	0.03
18	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.33	0.0
19	0.0	0.0	0.0	0.0	0.0	0.02B	0.0	0.0	0.038	1. 11	0.0	0.0
20	0.0	0.0	0.0	0.87	0.69	0.0	0.0	0.0	0.0	1.78	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	0.31	4.12	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.01E	0.0	0.24	0.0	0.0	0.78	0.0	0.45	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.14	0.0	1.77	0.0	1.18	0.0	0.0	0.0
25	0.0	1.15	0.09E	0.0	0.0	0.0	1.59	0.04E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0
27	0.0	0.0	0.0	0.0	0.03E	0.24	1.57	0.0	0.0	0.12	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	G 03B	0.78	0.0	0.0	0.0	0.0 E	0.02
29	0.0		0.0	0.22	0.0	0.0	0.88	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.22	0.16	0.0	0.0	0.0	0.47
31	0.0		0.0		0.03E		0.0	0.08E		0.0		0.40
TAL	0.01	1.71	0.31	3.34	2.18	1.18	11.25	2.65	2.08	4.42	4.87	7.10
A AV	0.55	2.98	3.04	3.40	1.85	0.63	3.99	1.70	3.23	4-67	2.39	3.93

NOTES: For daily air temperature in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are from rain gage 70-1. Records began January 1, 1965. STA NV based on 3 yr (1969-71) record period. Estimate codes may indicate that non-significant event totals are included.

197	1	MBAN DAIL	Y DISCHAR	GE (cfs)			RIESEL (WACO), TE	KAS WAT	ERSHED Y-1	3	
Day	Jan	Feb	Bar	Apr	day	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.021	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.027	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0
13	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.172	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 - 0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.033	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.053	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.030	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	00	0.0	0.047	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
BEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0059	0.0019	0.0	0_0056	0.0	0.0
INCHES	0.0	0.0	0.0	0.0	0.0	0.0	0.386	0.121	0.0	0.363	0.0	0.0
STA AV	0.001	0.325	1.214	0.405	0.013	0.0	0.129	0.040	0.0	0.265	0.0	0.167

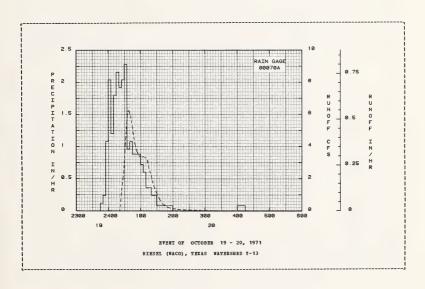
NOTES: To convert mean daily discharge in CPS to IM/DMY, multiply by 2.106341. Records began January 1, 1969. STA AV based on 3 yr (1969-71) record period.

971 SELECTED RUNOFF	EVENT							Y-13	
ANTECEDENT CONDITIO	285		D a	TERRIT.			BURUE		
Date Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	
Mo-Day (inches)									
		EVE	T OF OC	POBER 19 -	20, 1971				
RG 00070A			RG 000	703					
10-19 0.99		10-19	2345	0.0	0.0	10-20	21	0.0	0.0
10-20	0.0		2350	0.1199	0.01		22	0.107	0.0001
			2355	0.1199	0.03		23	0.620	0.0007
			2400	1.0798	0.12		24	0.975	0.0018
		10-20	5	2.0400	0.29		25	1.289	0.0034
WATERSHED CONDITIONS:									
96% oats recently plants	ed,		10	1.2001	0.39		26	1.620	0.0054
stand not vet establish			15	1.7999	0.54		27	1.935	0.0084
4% Bernudagrass waterway			20	2.1601	0.72		28	2.170	0.0112
good cover.			25	1.9200	0.88		29	2.519	0.0144
,			30	2.0400	1.05		30	3,129	0.0192
			35	2.2798	1.24		31	3.721	0.0239
			40	0.9600	1.32		32	4.278	0.0294
			45	1.0801	1.41		33	4.639	0.0355
			100	0.8800	1.63		34	5.256	0.0440
			105	0.7200	1.69		35	5.687	0.0515
			103	0.7200					
			110	0.5999	1.74		36	6.052	0.0595
			120	0.3601	1.80		37	6.228	0.0679
			130	0.2400	1.84		38	6.228	0.0786
			200	0.0800	1.88		39	6,206	0.0871
			400	0.0	1.88		40	6.052	0.0955
			415	0.0800	1.90		42	5.900	0.1139
							45	5.236	0.1387
							47	4.733	0.1524
							50	4.138	0.1722
							52	3.819	0.1831
							55	3.560	0.1995
							100	3,311	0.2254
							103	3.326	0.2391
							105	3.383	0.2495
							107	3.340	0.2587

NOTES: To convert runoff in CFS to IN/BR, multiply by .087764.

		P EVENT								
	ENT CONDIT	IONS			BPALL		Date	RUROF Time	Rate	Acc.
Date Ho-Day	Rainfall (inches)		Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	No-Day	of Day	(cfs)	(inches)
			EVENT OF	OCTOBER	19 - 20,	1971 (CO	NTINUED)			
							10-20	110	3.269	0.2734
								113	3, 101	0.2876
								115	2.781	0.2967
								120	2.159	0.3145
								125	1.511	0.3277
								130	1.111	0.3376
								135	0.735	0.3442
								140	0.470	0.3485
								145	0.320	0.3515
								150	0.224	0.3535
								155	0.171	0.3549
								200	0.126	0.3560
								210	0.086	0.3575
								220	0.064	0.3586
								230	0.050	0.3594
								240	0.039	0.3600
								300	0.023	0.3609
								320	0.014	0.3614
								330	0.011	0.3616
								400	0.007	0.3620
								500	0.004	0.3625
								600	0.002	0.3628
								900	0.0	0.3631

HOTES: To convert runoff in CFS to IN/HE, multiply by .087764.



RIESEL (WACO), TEXAS WATERSHED Y-14

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos Biver Basin.

AREA: 5.60 acres

HC	HTHL.	PRECIE	HOLTATION	AND BU	NOPP	(inches	5)		RIE	SEL (WAC	O), TEXA:	S WATE	RSHED	Y-14		
		Jan	Peb	Har	A	pr	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec		Annual
	P	0.01	1.62	0.27		.35	2.14	1.43	10.59	3.16	2.20	4.23	4.67			40.82
1971	Q	0.0	0.0	0.0	0.	.020	0.0	0.0	2.982	0.647	0.0	0.663	1.82	7 2.9	192	9.131
STA AV	P	0.59	2.95	3.06	3.	.43	1.96	0.69	3.69	2.19	3.15	4.66	2.30	3.8	3	32.49
	Q	0.001	0.139	0.90	5 0.	. 171	0.010	0.0	0.994	0.216	0.0	0.306	0.60	9 1.1	61	4.512
	ABU	UAL BAXI	MUM DISC	HARGE	(in/hı	c) AND	BAXIBU	MOLUM:	ES OF RUN	OFF (inc	bes) FOR	SELECT	ED TIME	INTERV	ALS	
	ABB	Maxi	nun			·		Maximum	Volume f	or Selec	ted Time	Interva	1			Danc
	ABN		mum arge		ur	2 E		Maximum 6 Ho	Volume fours		ted Time		al 2 D:		8	Days Vol.
1971	ABB	Maxi	mum arge Bate	1 Ho Date	ur Vol.	2 E Date	Hours Vol.	Maximum 6 Ho Date	Volume fours	or Selection or Selection of Se	ted Time 1	Interva Day Vol.	al 2 D Date	ays Vol.	8 Date	Vol.
1971	ABB	Maxi Disch Date	mum arge Bate	1 Ho Date	ur Vol.	2 E Date 11-17	Hours Vol.	Maximum 6 Ho Date	Volume fours	or Selection of Se	ted Time 1	Interva Day Vol.	al 2 D Date	ays Vol.	8 Date	Vol.

NOTES: Watershed conditions: 96% cotton; 4% grassed waterway. Cropland planted on graded furrows. For map of vatershed, see Rydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Bisc. Pub. 1370, p. 42.038-5. Precipitation and runoff records began January 1, 1969. Precipitation data from Thiessen weighted method using rain gages 75-A and 89. For long-time precipitation records, see National Weather Service records at Waco, Texas.

Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.028	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0
2	0.0	0.03E	0.04E	0.0	0.0	0.0	0.0	0.38	0.04B	0.0	0.0	1.02
3	0.01E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0
	0.0	0.15	0.0	0.0 R	0.0	0.0	0.0	1, 15	0.0	0.21	0.0	0.0
5	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.13E	0.0	0.02E	0.0	0.60
6	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.0	0.012	0.0	0.5
7	0.0	0.0	0.0	0.0	0.02E	0.0	0.0	0.24	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.5
9	0.0	0.0	0.0	0_0	0.07E	0.0	0.0	0.0	0.0	0.08E	0.0	3.30
10	0.0	0.0	0.0	0.0.	1.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0
12	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.17
15	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.09	0.0	0.0	0.0	0.0	0.0	280.0	0.0	0.0
17	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	3.92	0.0
18	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.30	0.0
19	0.0	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.01E	0.95	0.0	0.0
20	0.0	0.0	0.0	0.82	0.53	0.0	0.0	0.0	0.0	1.86	0.0	0.0
21	0.0	0.14	0.0	0.0	0.0	0.51	3.56	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.06E	0.0	0.10E	0.0	0.0	0.78	0.0	0.44	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.02E	0.0	0.0
24	0.0	0.0	0.0	0.0	0.12E	0.0	1.94	0.0	1.22	0.0	0.0	0.0
25	0.0	1.11	0.08E	0.0	0.0	0.0	1.56	0.04E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04E	0.39	1.36	0.0	0.0	0.11	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.03E	0.50	0.0	0.0	0.0	0.00E	0.03
29	0.0		0.0	0.23	0.0	0.0	1.19	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.24	0.21	0.0	0.0	0.0	0.41
31	0.0		0.0		0.03E		0.0	0.09B		0.0		0.40
OTAL	0-01	1.62	0.27	3,35	2-14	1.43 0.69	10.59	3.16	2.20	4.23	4.67	7.14

NOTES: For daily air temperature in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are Thiessen weighted average of rain gages 75A and 89. Records began January 1,1969. STA AV based on 3 yr (1969-71) record period. Estimate codes may indicate that non-significant event totals are included.

197	1	REAN DAIL	Y DISCHAR	GE (cfs)			RIESEL	(WACO), T	BXAS	WATERSHED Y-	-14	
Day	Jan	Feb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	00	0.0	0.0	0.0	0.0	0.0	0.148	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T 0.0	0.0	0.0	0.0	0.02
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.409E	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.017	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.156	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.060	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.101	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.197	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.131	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.052	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.121	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.039	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	0.0	0.0	0.0	0.0002	0.0	0.0	0.0226	0.0049	0.0	0.0050	0.0143	0.02
HCHES	0.0	0.0	0.0	0.020	0.0	0.0	2.982	0.647	0.0	0.663	1.827	2.9

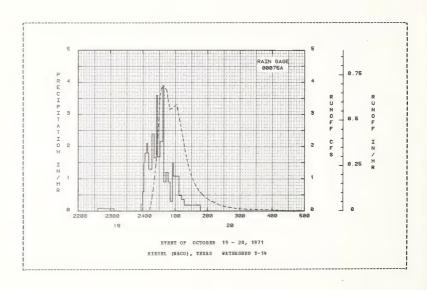
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 4.250295. Records began January 1, 1969. STA AV based on 3 yr (1969-71) record period.

71 SELE	CTED RUNO	TRAVA			ĸ	78#) dacar	O), TEXA	S WATERS		
	NT CONDI				BFALL			RUBOF		
	Rainfall (inches)	Runoff (inches)		Time of Day	Intensity (in/hr)	(inches)		Time of Day	Bate (cfs)	Acc. (inches)
				wm op ocm	OBER 19 -	20 1071				
			414			20, 15/1				
	00075A			RG 0007						
10-19	0.90		10-19	2237	0.0	0.0	10-20	11	0.0	0.0
10-20		0.0		2307	0.0800	0.04		12	0.013	0.0
				2357	0.0	0.04		13	0-054	0.0001
				2400	0.1999	0.05		14	0.128	0.0004
			10-20	2	0.6001	0.07		15	0.201	0.0010
WATERSHED C										
6% tilled,				4	1-5001	0.12		16	0.297	0.0017
rass waterw	ay, good	cower.		7	1.7999	0.21		17	0.394	0.0027
				9	2.1002	0.28		18	0.530	0.0040
				11	1.7999	0.34		19	0.632	0.0060
				17	1.2999	0.47		20	0.751	0.0079
				21	2-4001	0.63		21	0.902	0.0102
				25	1.6500	0.74		22	1.033	0.0129
				27	3.5998	0.86		23	1. 184	0.0167
				32	1.6800	1.00		24	1.398	0.0203
				37	2-1601	1.18		25	1.588	0.0244
				39	3.9001	1.31		26	1.802	0.0291
				43	0.9000	1.37		27	2.033	0.0357
				47	1.2000	1.45		28	2.317	0.0417
				51	0.9000	1.51		29	2.649	0.0486
				55	0.3001	1.53		30	2.926	0.0582
				57	1.4996	1.58		31	3.234	0.0667
				102	1.0801	1.67		32	3.531	0.0761
				107	1.0800	1.76		34	3.821	0.0990
				112	0.4799	1.80		39	3.871	0.1549
				117	0.3600	1.83		44	3.755	0.2103
				147	0.1800	1.92		50	3.162	0.2725
								54	3.191	0.3099
								59	3.263	0.3568
								102	3.307	0.3863
								104	3.191	0.4065

NOTES: To convert runoff in CFS to IN/HR, multiply by . 177096.

 BCTED RUBOR									
DENT CONDIT	PIONS		BAI	NFALL			RUNOF		
Rainfall (inches)	(inches)		of Day		(inches)	No-Day	of Day	Rate (cfs)	Acc. (inches)
		EVENT OF	OCTOBER	19 - 20,	1971 (CO	STINUED)			
						10-20	109	2,765	0.4498
						10 20	114	2.305	0.4866
							119	1.833	0.5181
							124	1.451	0.5420
							129	1. 145	0.5609
							134	0.928	0.5767
							139	0.768	0.5890
							144	0.632	0.5992
							149	0.535	0.6081
							154	0.448	0.6152
							204	0.333	0.6268
							214	0.246	0.6352
							224	0.170	0.6414
							234	0.128	0.6458
							244	0.100	0.6491
							254	0.074	0.6517
							314	0.050	0.6553
							334	0.038	0.6579
							354	0.027	0.6598
							424	0.013	0.6616
							454	0.006	0.6624
							524	0.003	0.6628
							554	0.001	0.6630
							654	0.001	0.6632
							754	0.0	0.6633
							900	0.0	0.6633

NOTES: To convert runoff in CFS to IE/HE, multiply by .177096.



RIESEL (WACO), TEXAS WATERSHED W-12

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin.

AREA: 9.90 acres

HC	NTHL	PRECIP	ITATION	AND RUNC	OFF (inche	s)		RIESE	L (WACO)	, TEXAS	WATER	SHED W	-12		
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Noa	Dec		Annual
1971	P Q	0.0	1.52	0.28 0.0	3.41 0.046	2.31	1.63			2.12 0.0	4.24 0.919	4.70 2.25		119	41.08 7.148
TA AV	P Q	0.41	3.08 0.067	2.61 0.875	2.99 0.058	2.20 0.0	1.02 0.0			4.00 0.023	4.64 0.434	2.33 0.75		3 192	34.76 3.810
	AHH	Maxi	mum arge	1 Hour	2	Hours	Maxinum 6 H		Selecte Hours	d Time	Interva Day	1 2 D	ays	8	 Days
		Maxi Disch Date	mum arge Rate	1 Hour	2 ol. Date	Hours Vol-	Baximum 6 H Date	Volume for ours 12 Vol. Dat	Selecte Hours Vol.	d Time 1 Date	Interva Day Vol.	l 2 D Date	ays Vol.	8 Date	Ŷol.
1971		Maxi Disch Date	mum arge Rate	1 Hour	2 01. Date	Hours Vol. 2.018	Baxinum 6 H Date 11-17	Volume for ours 12 Vol. Dat 2.209 11-1	Selecte Hours Vol.	d Time 1 Date	Interva Day Vol.	l 2 D Date	ays Vol.	8 Date	Ŷol.
1971		Maxi Disch Date	mum arge Rate	1 Hour	2 01. Date	Hours Vol. 2.018	Baxinum 6 H Date 11-17	Volume for ours 12 Vol. Dat	Selecte Hours Vol.	d Time 1 Date	Interva Day Vol.	l 2 D Date	ays Vol.	8 Date	¥01.

EGTES: Watershed conditions: 97% grain sorghum; 3% grassed waterway. Cropland planted on graded furrows. For map of watershed, see mydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Miscr. Pub. 1370, p. 42.039-3. Precipitation and rumoff records began October 1, 1959, part year records are included in STA Av. Precipitation data obtained from rain gage W1B. For long-time precipitation records, see National Weather Service records at Waco, Feras.

1971	DI	ILY PRECI	PITATION	(inches)			RIBSEL	(WACO), TE	XAS WATE	RSHED W-1	2	
Day	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.03E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.02E	0.04E	0.0	0.0	0.0	0.0	0.38	0.03E	0.0	0.0	1.03
3	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0
4	0.0	0.15	0.0	0.0 E	0.0	0.0	0.0	1.28	0.0	0.21	0.0	0.0
5	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.07E	0.0	0.03E	0.0	1.01
6	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.01E	0.0	0.17
7	0.0	0.0	0.0	0.0	0.02E	0.0	0.0	0.25	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.50
9	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.07E	0.0	3.16
10	0.0	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0	0.01
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.108	0.0	0.0	0.0	0.17
15	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.05	0.0	0.0	0.0	0.0	0.0	0.08E	0_0	0.0
17	0.0	0.0	0.0	0,17	0.0	0.0	0.0	0.0	0.0	0.0	3.98	0.03E
18	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.27	0.0
19	0.0	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.01E	0.93	0.0	0.0
20	0.0	0.0	0.0	0.86	0.54	0.0	0.0	0.0	0.0	1.86	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	0.57	3.42	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.07E	0.0	0.028	0.0	0.0	0.74	0.0	0.45	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.028	0.0	0.0
24	0.0	0.0	0.0	0.0	0.14	0.0	1.95	0.0	1.11	0.0	0.0	0.0
25	0.0	1.05	0.08E	0.0	0.0	0.0	1.49	0.02E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0
27	0.0	0.0	0.0	0.0	0.03E	0.45	1.28	0.0	0.0	0.11	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.03E	0.47	0.0	0.0	0.0	0.0 E	0.05E
29	0.0		0.0	0.23	0.0	0.0	1.45	0.0	0.0	0.0	0.0	0.02E
30	0.0		0.0	0.0	0.0	0.0	0.28	0.28	0.0	0.0	0.0	0.42
31	0.0		0.0		0.04E		0.0	0.05E		ŭ. 0		0.41
TOTAL	0.0	1.52	0.28	3.41	2.31	1.63	10.62	3.21	2.12	4.24	4.70	7.04
STA AV	0.41	3.08	2.61	2.99	2.20	1.02	5.44	2.22	4.00	4.64	2.33	3.83
MOTPC . P						4-27- 6						

NOTES: For daily air temperature in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are from rain gage WIB. Records began October 1, 1969. STA AV based on 3 yr (1969-71) record period. Estimate codes may indicate that non-significiant event totals are included.

	1	HEAR DAIL	Y DISCHAR	GE (cfs)			RIBSEL	(WACO) , T	BXAS WAT	ERSHED W-	12	
Da y	Jan	Peb	Bar	Apr	May	Jun	Jul	λug	Sep	Oct	BOA	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008
3	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T 0.0
4	0.0	0.0		0.0	0.0	0.0	0.0	0.128	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.053
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.098
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	1.096
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.038
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.012	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.874	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.063	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.019	0.0	0.0	0.0	0.0	0.0	0.382	0.0	0.0
21	0.0	0.0	0.0	0.0 T	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
. 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
. 24	0.0	0.0	0.0	0.0	0.0	0.0	0.016	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.036	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.073	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.057	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
BEAN	0.0	0.0	0.0	0.0006	0.0	0.0	0_0064	0.0045	0_0	0.0123	0.0312	0.0418
	0.0	0.0	0.0	0.046	0.0	0.0	0.474	0.338	0.0	0.919	2.251	3.119
STA AV	0.004	0.067	0.875	0.058	0.0	0.0	0.237	0.169	0.023	0.434	0.752	1.192

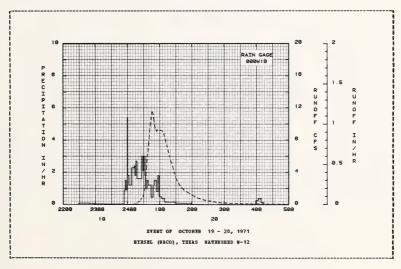
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 2.404207. STA AV based on 3 yr (1969-71) record period.

ANTECEDER					BFALL			RUNOP		
	ainfall inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)		Date No-Day	Time of Day	Eate (cfs)	Acc. (inches)
			E¥E	ST OF OCT	OBER 19 -	20, 1971				
RG (000W1B			RG 000W	18					
10-19	0.76		10-19	2229	0.0	0.0	10-20	1	0.0	0.0
10-20		0.0		2249	0.0900	0.03		3	0.0	0.0
				2259	0.0600	0.04		5	0.001	0.0
				2354	0.0218	0.06		7	0.003	0.0
				2356	0.9002	0.09		9	0.010	0.0
ATERSHED CO										
oats, rec				2358	1.4998	0.14		11	0.034	0.0001
establish		assed		2400	0.8998	0.17		13	0.063	0.0003
erway, good	g coaer		10-20		5.3998	0.26		15	0.102	0.0006
				3	1.7999	0.32		17	0.158	0.0010
				8	1.2001	0.42		19	0.217	0.0017
				13	2.2800	0.61		21	0.292	0.0025
				14	2.3996	0.65		23	0.421	0.0038
				16	1.7999	0.71		25	0.574	0.0054
				18	2.6999	0.80		27	0.785	0.0078
				24	1.6000	0.96		29	1.004	0.0106
				27	1.6000	1.04		31	1.454	0.0149
				29	3.0002	1.14		32	1.756	0.0174
				31	2.0998	1.21		33	1.997	0.0203
				33	3.0002	1.31		34	2.949	0.0251
				34	1.7999	1.34		35	4.035	0.0306
				37	1,0001	1.39		36	4.905	0.0376
				39	1,4996	1.44		37	5.629	0.0458
				44	1.2001	1.54		38	6.280	0.0575
				48	0.4500	1.57		39	7.000	0.0679
				50	1.2003	1.61		40	7.847	0.0795
				52	1.4996	1.66		41	8.673	0.0924
				54	1.5001	1.71		42	9.463	0.1101
				57	0.8002	1.75		43	9.964	0.1253
				59	1.7999	1.81		44	10.605	0.1414
				104	0.4799	1.85		45	11.240	0.1628
				109	0.3600	1.88		46	11.565	0.1806
				129	0.1500	1.93		47	11.467	0.1986
				159	0.0800	1.97		48	11.143	
				359	0.0	1.97		49	10.762	0.2377
				404	0.2399	1.99		50	10.266	0.2542

HOTES: To convert runoff in CFS to IN/HR, multiply by 0.100175.

SE1	LECTED BUIO	PP EVBNT			1	IESEL (WAG	CO), TEXA	S WATERSH	ED W-12	
AUTRORI	DERT COMBI	TOUS		RAI	HPALL			RUNOP	F	
Date Eo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)		Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVERT OF	OCTOBER	19 - 20,	1971 (CO)	MTINUED)			
			10-20	809	0.2600	2 22	10-20	51	9.785	0.000
				414	0.3600 0.1201	2.02	10-20	52	9.492	0.2699 0.2850
				414	0. 1201	2.03		53	9.492	0.2850
								54	9.147	0.3179
								55	9.034	0.3321
								33	9.034	0.3321
								56	9.290	0.3464
								101	9-233	0.4261
								106	9.091	0.5014
								108	8.755	0.5328
								111	8.003	0.5721
								116	6.716	0.6355
								121	5.380	0.6852
								126	4.331	0.7251
								131	3.194	0.7575
								136	2.560	0.7811
								141	2.050	0.8000
								146	1.756	0.8164
								151	1.550	0.8300
								156	1.344	0.8419
								201	1.125	0.8525
								206	0.956	0.8611
								211	0.803	0.8683
								216	0.677	0.8747
								221	0.584	0.8799
								226	0.489	0.8843
								231	0.413	0.8882
								241	0.309	0.8941
								251	0.223	0.8986
								301	0.171	0.9019
								311	0.128	0.9044
								321	0.102	0.9063
								331	0.084	0.9079
								401	0.058	0.9115
								431	0.038	0.9139
								501	0.029	0.9156
								601	0.012	0.9177
								800	0.002	0.9191
								1000	0.001	0.9194
								1200	0.0	0.9195

NOTES: To convert runoff in CFS to IE/HE, multiply by 0.100175.



42.039- 3

RIESEL (WACO), TEXAS WATERSHED W-13

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin.

AREA: 11.30 acres

HC	PLHER	PRECI	HOLTATION	AND BUI	OPP (i	inches)		F	IBSEL	(WACO)	, TEXAS	WATE	SHED W	-13		
		Jan	Feb	Har	Apı		Bay	Jun	Jul	A	ug	Sep	0ct	Nov	Dec	. 2	nnual
1971	P Q	0.0	1.52	0.28 0.0	3.4		2.31	1.63	10.62 0.22			2.12 0.0	4.24 0.763	4.70			1.08 6.502
TA AV	P Q	0.41	3.08 0.057	2.61 0.688			2.20 0.0	1.02	5.44 0.11			4.00 0.037	4.64 0.330	2.33 0.67			4.76 3.237
	AHNU	AL EAXI		CHARGE	(in/hr)	AND					(inche				INTERV	ALS	
			arge Eate	1 Hot Date 1			Vol.				Hours Vol.		Day Vol.		ays Vol.		
1971		11-17	1.713	11-17 1	1.196 1	11-17	1.767	11-17	1.995	12- 9	2.247	12- 8	2.825	12- 8	2.973	12- 2	3.27
1971		11-17	1,713	11-17 1	1.196 1		1.767 AXIMUMS					12- 8	2.825	12- 8	2.973	12- 2	3.27

NOTES: Watershed conditions: 97% grain sorghum; 3% grassed waterway. Cropland planted on graded furrows. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Misc. Pub. 1370, p. 42.040-3. Precipitation and rumoff records began October 1, 1959, part year records are included in STA AV. Precipitation data obtained from rain gage W1B. For long-time precipitation records, see National Weather Service records at Waco, Texas.

19	971 D	AILY PREC	PITATION	(inches)			RIESEL	(WACO), TH	XAS WATE	RSHED W-1	3	
Day	Jan .	Peb	Mar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.03E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.028	0.04E	0.0	0.0	0.0	0.0	0.38	0.03E	0.0	0.0	1.03
3	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0
4	0.0	0.15	0.0	0.0 E	0.0	0.0	0.0	1.28	0.0	0.21	0.0	0.0
5	0.0	0.0	0.0	0.0	0.068	0.0	0.0	0.072	0.0	0.03E	0.0	1.01
6	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.01E	0.0	0.17
7	0.0	0.0	0.0	0.0	0.02E	0.0	0.0	0.25	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.50
9	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.07E	0.0	3.16
10	0.0	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0	0.01
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.17
15	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.05	0.0	0.0	0.0	0.0	0.0	0.08E	0.0	0.0
17	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	3.98	0.03
18	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.27	0.0
19	0.0	0.0	0.0	0.0	0.0	0.06B	0.0	0.0	0.01B	0.93	0.0	0.0
20	0.0	0.0	0.0	0.86	0.54	0.0	0.0	0.0	0.0	1.86	0.0	0.0
21	0.0	0.15	0.0	0.0	0.0	0.57	3.42	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.07E	0.0	0.02E	0.0	0.0	0.74	0.0	0.45	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.02E	0.0	0.0
24	0.0	0.0	0.0	0.0	0-14	0.0	1.95	0.0	1, 11	0.0	0.0	0.0
25	0.0	1.05	0.08E	0.0	0.0	0.0	1.49	0.02E	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0
27	0.0	0.0	0.0	0.0	0.03E	0.45	1.28	0.0	0.0	0.11	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.038	0.47	0.0	0.0	0.0	0.0 E	0.05
29	0.0		0.0	0.23	0.0	0.0	1.45	0.0	0-0	0.0	0.0	0.02
30	0.0		0.0	0.0	0.0	0.0	0.28	0.28	0.0	0.0	0.0	0.42
31	0.0		0.0		0.042		0.0	0.05E		0.0		0.41
TOTAL	0.0	1.52	0.28	3.41	2.31	1.63	10.62	3.21	2.12	4.24	4.70	7.04
STA AV	0.41	3.08	2.61	2.99	2,20	1.02	5.44	2.22	4.00	4.64	2.33	3.83

NOTES: For daily air temperature in the vicinity, see table for Watershed C, p. 42.002-1. Precipitation values are from rain gage WIB. Records began October 1, 1969. STA AV based on 3 yr (1969-71) record period. Estimate codes may indicate that mon-significant event totals are included.

197	/1	MEAN DAIL	Y DISCHAR	GB (cfs)			RIESEL	(WACO), T	EXAS WAT	ERSHED W-	13	
Day .	Jan	Feb	Bar	Apr	May	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.082	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.036
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.097
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.342
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.067
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0
13	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.882	0.0
18	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.071	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.018	0.0	0.0	0.0	0.0	0.0	0.362	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.026	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.037	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.012	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.022	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
SAN	0.0	0.0	0.0	0.0006	0.0	0.0	0.0035	0.0029	0.0	0.0117	0.0318	0.050
CHES	0.0	0.0	0.0	0.039	0.0	0.0	0.229	0.191	0.0	0.763	2.009	3.27
VA AT	0.006	0.057	0.688	0.098	0.0	0.0	0.115	0.095	0.037	0.330	0.671	1.14

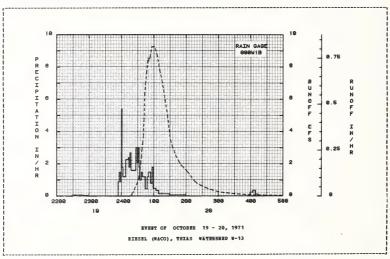
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 2.106341. Records began October 1, 1969. STA AV based on 3 yr (1969-71) record period.

ANTECEDENT CONDITI	ONS		RAS	MFALL			RUNGE		
Date Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
No-Day (inches)									(inches)
		EVE:	T OF OCT	OBER 19 -	20, 1971				
RG 000W1B			RG 000%						
10-19 0.76		10-19	2229	0.0	0.0	10-20		0.0	0.0
10-20	0.0		2249	0.0900			16	0.006	0.0
			2259	0.0600	0.04		17	0.029	0.0
			2354	0.0218	0.06		18	0.068	0.0001
			2356	0.9002	0.09		19	0.102	0.0002
WATERSHED CONDITIONS:									
97% oats, recently plan	ted,		2358	1.4998	0.14		20	0.171	0.0004
stand not yet establish	ed;		2400	0.8998	0.17		21	0.212	0.0007
3% grassed waterway, go	ođ	10-20	1	5.3998	0.26		23	0.301	0.0015
COVEL.			3	1.7999	0.32		24	0.418	0.0020
			8	1.2001	0.42		26	0.567	0.0034
			13	2,2800	0.61		28	0.734	0.0054
			14	2.3996	0.65		30	0.875	0.0079
			16	1.7999	0.71		32	1.060	0.0106
			18	2-6999	0.80		33	1.282	0.0122
			24	1.6000	0.96		34	1.567	0.0146
			27	1.6000	1.04		35	1.797	0.0169
			29	3.0002	1.14		36	2.045	0.0195
			31	2.0998	1.21		37	2.458	0.0226
			33	3.0002	1.31		38	2.896	0.0272
			34	1.7999	1.34		39	3. 198	0.0314
			37	1-0001	1.39		40	3.472	0.0360
			39	1-4996	1.44		41	3.893	0.0410
			44	1.2001	1.54		42	4.865	0.0485
			48	0-4500	1.57		43	6.309	0.0562
			50	1.2003	1.61		45	7.132	0.0362
			52	1.4996	1.66		47	7-810	0.0974
			54	1.5001	1.71		49	8.555	0.1226
			57	0.8002	1.75		51	8.364	0.1226
			57 59	1.7999	1. 75		51	8.364	
			104	0.4799	1.85		5.6	9-255	0.1720 0.2088

HOTES: To convert runoff in CFS to IN/HR, multiply by 0.087764.

SEL	ECTED BUHOR						CO), YEXA	S WATERSE		
ASTECED	ENT CONDIT				BPALL			RUMOP		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Bo-Day	Time of Day	Rate (cfs)	lcc. (inches
			EVENT OF	OCTOBER	19 - 20,	1971 (CO	MTINUED)			
			10-20	109	0.3600	1.88	10~20	101	9.284	0.2787
			10-20	129	0.1500	1.93	10-20	106	8.775	0.3437
				159	0.0800	1.97		111	7.810	0.4034
				359	0.0800	1.97		116	7.010	0.4593
				404	0.2399	1.99		121	5.953	0.5060
				409	0.3600	2.02		126	4.865	0.5449
				414	0.1201	2.03		131	3.456	0.5763
								136	2.966	0.5994
								141	2.521	0.6192
								146	2.199	0.6370
								151	1.929	0.6519
								156	1.747	0.6651
								201	1,586	0.6777
								206	1.390	0.6884
								211	1.126	0.6975
								216	0.928	0.7052
								221	0.794	0.7114
								226	0.700	0.7168
								231	0.608	0.7217
								241	0.460	0.7294
								251	0.355	0.7354
								301	0.333	0.7400
								311	0.272	
								311	0.215	0.7435
								331	0.142	0.7488
								341	0.117	0.7507
								351	0.092	0.7522
								401	0.074	0.7534
								431	0.047	0.7561
								501	0.039	0.7580
								-		
								601	0.017	0.7605
								701	0.008	0.7616
								801	0.004	0.7621
								901	0.003	0.7624
								1001	0.001	0.7626
								1201	0.0	0.7627

HOTES: To convert runoff in CFS to IN/HR, multiply by 0.087764.



OXFORD, MISSISSIPPI WATERSHED W-4C

LOCATION: Marshall Co., Miss.; 4.8 mi. SE of Holly Springs, on State Highway No. 4; Chews Creek, Pigeon Foost Creek Watershed, Tazoo River Basin.

AREA: 1580.00 acres 2.47 sq. miles

80	DETHL	PRECI	HOLTATION	AND RO	HOPP (inche	s)			EPOR	, MISS	ISSIPPI	WATE	RSHED	H-4C		
		Jan	Peb	Har	Ap	r	Bay	Jun	Jul	A	1g	Sep	0ct	Nov	Dec	1	nnual
1971	P Q	4.58 0.663	6.78 2.291	3.68 0.27		12 089	3.28 0.058	2.64 0.034	3.09 0.008			2.99 0.009	0.51	1.90	4.6 0.0		9.61 3.468
STA AV	P Q	3.70 0.610	4.82 1.019	4.74 0.85		91 707	3.99 0.275	3.08 0.112	3.72 0.188			4.62 0.321	2.52 0.113	4.12 0.44			9.10 5.540
	THE	AL MAXI		HARGE	(in/hr) ABD	BUNIXAB						SELECTE Interva		INTERV	ALS	
		Disch Date		1 Ho Date			Nol.		Vol.		Yol.		Day Vol.	2 Date	Vol.	8 Date	ays Vol.
1971		2-21	0.782	2-21	0.673	2-21	0.968	2-21	1,327	2-21	1.542	2-21	1,809	2-21	1.939	2-19	2.042
						- 1	MAXIMUMS	FOR P	ERIOD OF	BECC	DRD						
		2-23	0_840	2-23	0.720	2-23	1,130		1.560	3- 4	1.620	1-31	2.380	1-30	3.340	1-27	3.900

NOTES: Watershed conditions: About 19% in cultivation (cotton), fair cover Hovember to Harch, poor cover April and may improving to good by mid-uluj; 40% in pasture and idle land, good cover April to October with fair cover remainder based on the latest survey completed in 1970-72. Reported as Material Parior to 1985, and from 1955-66 as watershed #-4 prior to 1985, but to 1980 acres. About 31% of drainage area above small desiring and retention dark not support as water about 1980 acres. Montily precipited as water above small desiring and retention darks. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Hisc. Pub. 985, p. 62.1-4. Konthly precipitation Thissen weighted from rain ageas 7, 8 and 18. Precipitation and runoff records began Jam. 1957. For long-time precipitation records, see National Weather Service records at Bolly Springs, 48, Hassissippi.

197			AIR T														IPPI		TERSE					
Day	Ja max	n min	Pe max		Ba Bax		Ap max		Hax		Ju max		Ju		nax		Se	P min	nax	t min	No max		De max	
	39	27	31	18	60	40	71	43	66	48	84	49	90	68	77	56	86	70	88	62	78	55	45	37
2	50	29	33	18	73	41	60	31	74	47	82	56	90	69	83	61	HH.	70	89	62	82	60	49	3:
2	56	35	36	23	59	30	58	31	69	36	88	57	88	59	82	68	85	70	87	62	83	47	43	3
h	61	41	49	33	52	18	70	38	63	36	87	66	90	65	85	70	85	70	87	63	61	28	40	3
5	41	24	63	29	46	18	72	42	72	37	89	65	89	68	85	67	87	71	84	60	65	28	43	3
6	29	21	50	24	62	30	54	52	75	60	91	68	92	69	88	68	86	69	73	51	67	32	53	4
7	30	15	54	23	65	27	39	30	80	60	91	67	90	67	88	67	89	58	ŔΟ	45	64	29	61	4
ė	26	15	46	18	45	26	62	31	80	55	78	67	90	70	90	68	88	66	77	43	46	23	51	4
9	30	25	23	3	48	26	72	33	72	52	88	63	93	70	90	68	87	65	79	51	58	23	56	4
10	50	29	21	2	65	32	73	48	77	56	83	63	93	70	87	69	88	65	72	35	58	26	72	4
11	48	37	43	9	54	32	76	54	78	62	89	64	92	71	87	70	89	66	65	40	62	36	73	3
12	65	40	55	30	60	37	80	53	70	59	90	69	92	70	90	65	90	58	77	42	71	34	63	3
13	63	51	47	23	72	49	80	57	64	45	93	70	92	70	83	58	84	53	81	50	75	46	63	3
14	67	54	28	15	72	54	79	36	64	39	93	68	97	63	85	58	85	54	76	51	78	57	60	3
15	73	31	45	22	80	52	67	35	72	39	92	68	95	75	85	60	93	64	81	50	78	56	70	5
16	46	23	57	30	67	37	75	37	76	48	86	65	95	72	85	60	90	65	82	59	75	39	65	4
17	45	24	67	39	62	29	80	47	82	53	88	62	92	67	86	60	69	63	84	56	74	39	63	4
18	51	31	68	48	60	29	82	61	82	54	88	63	92	70	86	63	81	57	85	65	75	39	51	2
19	32	18	71	43	62	37	80	50	80	60	91	64	96	73	87	63	83	64	78	59	65	46	47	2
20	28	11	63	42	52	33	85	52	81	58	87	71	85	64	90	65	79	56	80	51	46	32	60	3
21	40	11	64	40	50	32	83	56	77	47	89	69	81	55	92	65	63	47	75	52	63	37	48	3
22	51	33	68	38	54	32	76	46	81	48	87	67	83	55	91	72	73	50	75	64	52	26	63	3
23	65	34	38	32	60	37	78	49	77	53	86	62	89	56	96	66	77	59	75	56	44	26	57	3
24	55	32	48	25	47	27	63	39	83	63	90	63	83	65	86	63	80	61	73	62	63	33	58	4
25	55	41	64	26	48	28	72	44	80	54	93	68	77	69	89	63	82	63	69	50	40	34	59	4
26	61	39	70	47	39	34	79	47	78	50	96	73	82	70	90	67	86	67	73	49	50	33	67	4
27	49	21	70	35	41	28	85	51	85	51	97	73	85	65	91	59	80	67	78	50	53	40	70	5
28	33	20	62	35	65	33	80	57	75	54	90	65	81	66	84	54	85	68	80	51	53	32	70	ŧŧ
29	50	29			58	45	75	55	70	42	89	65	82	71	80	56	87	66	84	52	60	38	50	3
30	62	33			56	28	60	49	73	42	91	66	86	66	84	62	88	63	82	52	47	37	66	4
31	64	22			62	28			78	48			70	52	83	67			79	55			67	3
-	49		51		58		72	45	75		89			66	87	64	84	63	79		63		58	4
AH.	38		39		45		58		62		77			. 3	75		73			-1		. 0		- 2
A AV	47	28	52	31	60	37	72	50	80	57	86	64	89	68	89	67	82	60	73	48	62	38	51	3

NOTES: Temperature data from National Neather Service at Holly Springs, 40, Hississippi. STA AV is for 15 yr (1957-71) record period.

1971	Di	AILY PREC	EPITATION	(inches)			OXPORD	BISSISSI	PPI WA	BRSHED W-	-4C	
Day	Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.56	0.0	0.12	0.0	0.0	0.07	0.0	0.0	0.0
2	0.0	0.0	0.15	0.0	0.04	0.0	0.0	0.0	0.40	0.0	0.23	0.45
3	0.23	0.10	0.04		0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.47
4	0.39	0.63	0.0			0.0	0.0	0.12	0.0		0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.07	0.0	0.43	0.0	0.10
6	0.0	0.0	0.34	0.0	0.0	0.42	0.35	0.14	0.0	0.0	0.36	0.2
7	0.0	0.04	0.0	0.0	0.16	0.37	0.0	0.0	0.01	0.0	0.0	0.0
8	0.0	0.04	0.0	0.0	0.0	0.04	0.0	0.0	0.04	0.0	0.0	0.0
9	0.0	0.0	0.22	0.0	0.0	0.0	0.16	0.53	0.0	0.0	0.05	1.2
10	0.0	0.0	0.17	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.02	0.0	0.0	0.0	0.18	0.0	0.0	0.07	0.0	0.0	0.0	0.0
12	0.0	1.03	0.0	0.0	1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.4
13	0.03	0.0	0.54	0.02	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.79	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.4
15	0.0	0.0	0.16	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.4
16	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.78	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.42	0.03	0.0	0.37	0.0	0.06	0.0	0.0	0.50	0.0
19	0.0	0.71	0.0	0.0	0.0	0.0	0.01	0.02	0.98	0.0	0.03	0.1
20	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0
21	0.25	3.70	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1.10	0.0	0.0	0.06	0.0	0.0	0.0	0.17	0.0	0.0	0.01	0.0
23	0.35	0.0	0.0	0.68	0.0	0.0	0.11	0.0	0.0	0.04	0.12	0.0
24	1.42	0.0	0.0	0.0	0.69	0.0	1.71	0.0	0.0	0.01	0.0	0.0
25	0.0	0.03	1.22	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.0
26	0.0	0.52	0.0	0.0	0.0	0.0	0.04	0.97	0.67	0.0	0.0	0.0
27	0.0	0.0	0.0		0.40	0.16	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.37	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.59	0.1
29	0.0		0.05	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.20	0.0	0.0	0.17	0.07	0.0	0.0	0.0	0.5
31	0.0		0.0		0.0		0.0	0.12		0.0		0.0
DTAL	4.58	6.78	3.68	3.12	3.28	2.64	3.09		2.99	0.51	1.90	4.6
TA AV	3.70	4.82	4.74	4.91	3.99	3.08	3.72	3.69	4.62	2.52	4.12	5.1

NOTES: Daily precipitation values Thiessen weighted from rain gages 7, 8 and 18. STA AV based on 15 yr (1957-71) record period.

19	71	HEAH DAIL	DISCHAR	E (cfs)				BISSISS	IPPI WAS	ERSHED W	-4C	
Day	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	How	Dec
1	0.0	0.0	0.47	1.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.47	0.81	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0
3	0.0	0.09	0.47	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
4	0.67	2.17	0.47	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.79	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.05	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.47	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.10	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.88
10	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.18	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	9.35	0.47	0.0	2.36	0.0	0.0	0.0	0.0	0.0	0.0	0.13
13	0.0	0.86	1.75	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	2.33	0.29	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19
15	0.0	0.29	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.14
16	0.0	0.29	0.13	0.0	0.0	1.66	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.29	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.29	0.13	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	2.79	0.07	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0
20	0.0	0.48	0.0	0.07	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.0
21	0.0	106.84	0.0	1.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	5.60	21.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	1.80	3.23	0.0	2.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	29.78	0.47	0.0	0.0	1.05	0.0	0.44	0.0	0.0	0.0	0.0	0.0
25	1.26	0.47	6.91	0.0	0.14	0.0	0.10	0.0	0.0	0.0	0.0	0.0
26	0.47	0.47	0.69	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0
27	0.47	0.47	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.47	0.47	0.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.47		0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.47		0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16
31	0.24		0.14		0.0		0.0	0.0		0.0		0.0
EAN	1.4204	5,4326	0.5780	0.1975	0.1234	0.0749	0.0175	0.0162	0.0193	0.0	0.0	0.082
CHES	0.663	2.291	0.270	0.089	0.058			0.008	0.009	0.0	0.0	0.03
A AV	0.610	1.019	0.852	0.707	0.275	0.112	0.188	0.215	0.321	0.113	0.447	0.68

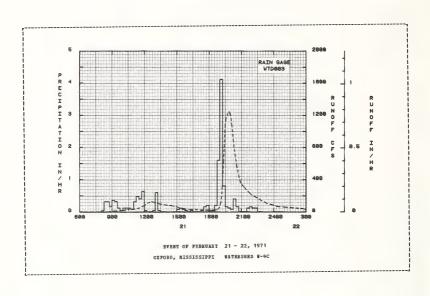
NOTES: To convert discharge in CFS to IM/DAY, multiply by 0.01506. SYA AV based on 15 yr (1957-71) record period. Quality of records: Good, estimated to be within 10% of actual.

	ENT CONDI	B7086		RAIN	0177			RUNOPE	,	
Date Bo-Day	ENT CONDI: Rainfall (inches)	rioss Runoff (inches)	Date Bo-Day	Time	PALL Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time	Rate (cfs)	Acc. (inches)
			EWEI	T OF PEBRU	ARY 21 -	22, 1971				
	G WTD003			RG WTD00						
2-21	0.28	0.004	2-21	800 815	0.0	0.0 0.01	2-21	628 702	2.767 1.435	0.0
				830	0.3200	0.09		746	1.734	0.0014
				845	0.3200	0.17		814	1.435	0.0019
WATERSHED (CONDITIONS			900	0.1600	0.21		824	3.158	0.0021
About 14% of	f area in o	culti-		915	0.3600	0.30		838	3.572	0.0026
vation, pri	arily cott	ton,		930 945	0.3191	0.38		844 852	5.982 6.531	0.0029
fair cover i	provided by	resi-		1000	0.0400	0.42		914	10.911	0.0054
ryegrass and fair cover p due from 19 pasture and	70 crop; 40)% in		1015	0.1200	0.45		952	15.690	0.0107
tair to good	1 COVEL: 4:	0% 1B		1030	0.1200	0.48		1018	26.936	0.0165
boogs, good	cover; 1%	bare		1045	0.1200	0.51		1028 1038	28.554	0.0194
gullies.				1100 1115	0.0800	0.53		1100	35.606 35.606	0.0228
				1130	0.4800	0.73		1108	33.792	0.0339
				1145	0.4000	0.83		1128	46.326	0.0423
				1200	0.6400	0.99		1134	48.128	0.0453
				1215 1230	0.0400	1.00		1152 1208	69.800 89.526	0.0564
				1245	0.0	1.00		1218	110.056	0.0897
				1300	0.0400	1.01		1230	120, 121	0.0946
				1315	0.6000	1.16		1240		0.1075 0.1327
				1330	0.0397	1.17		1300	126.432	0.1327
				1345 1445	0.0	1.17 1.17		1324 1354	98.704 87.728	0.1594 0.1887
				1500 1515	0.0 0.0800	1.17 1.19		1430 1458	77.000 62.600	0.2197
				1530	0.1200	1.22		1528	44.536	0.2569
				1545 1600	0.0800	1.24 1.25		1552 1630	35.606 28.554	0.2670 0.2798
				1615 1630	0.0	1.25		1714 1742	24.000 21.502	0.2919 0.2986
				1645	0.0	1.26		1806	21.502	0.3040
				1700 1715	0.0	1.26		1828 1842	22.703 25.412	0.3091
										0.3126
				1730 1745	0.0400	1.27		1850 1858	30.248 57.195	0.3149
				1800	0.2000	1.36		1908	132.850	0.3285
				1815	0.0400	1.37		1914	329.600	0.3430
				1830	0.0400	1.38			657.866	0.3843
				1845	0.2000	1.43		1930 1	093.999	0.4577
				1900 1915	1.6000	1.83 2.86		1946 1	173.999	0.5288 0.6546
				1930	0.8000	3.06		1952 1	245.998	0.7322
				1945	0.1600	3.10		2000 1	193.999	0.8345
				2000	0.1200	3.13			053.854	0.9285
				2015	0.0800	3.15 3.25		2016	867.000 684.357	1.0089
				2045	0.1600	3.29		2036	549.000	1. 1545
				2100	0.0	3.29		2048	425.948	1.2157
				2115	0.0	3.29		2056	357.600	1.2485
				2130 2145	0.0 0.1194	3.29		2112	315.600	1.3049
				2200	0.1600	3.32 3.36		2144	276.520 239.280	1.3544
				2215	0.1200	3.39		2158	208.920	1.4304
				2230	0.1200	3.42		2214	189.480	1.4637
				2245 2300	0.0	3.42		2228	172.995	1.4903
				2300	0.0	3.42			152.520 135.000	1.5141
								2314	118.056	1.5589
								2326	100.563	1.5726
								2344	91.336	1.5907
							2-22	2400 24	84.152 64.400	1.6054
							2-22	52	60.800	1.6423
								118	55.384	1.6581
								152	48.128	1.6765
								234	42.759	1.6965
								346 548	32.000	1.7247
								540	-0.004	

BOTES: To convert runoff in CFS to IM/RM, multiply by 0.000628. Thiessen weighted storm rainfall, rain gages 7, 8 and 18. For 30-day antecedent F and Q, see tables on p. 62.001-2.

1971 SELECTED RUNOFF EVENT				OXFORD, B	ISSISSIPPI	WATERS	RED W-4C	
ANTECEDENT CONDITIONS Date Bainfall Runoff Mo-Day (inches) (inches)		RAI Time f Day	BFALL Intensity (in/hr)	Acc. (inches)	Date No-Day	RUBOFT Time of Day	Rate (cfs)	Acc. (inches)
	EVENT OF PE	BRUARY	21 - 22,	1971 (CO	STINUED)			
					2-22	1148 1828 2400	16.552 8.911 5.982	1.8482 1.9015 1.9274

BOTES: To convert runoff in CFS to IN/RE, multiply by 0.000628. Thiessen weighted storm rainfall, rain gages 7, 8 and 10. For 30-day antecedent P and Q, see tables on p. 62.001-2.



OXFORD. MISSISSIPPI WATERSHED W-5

LOCATION: Harshall Co., Miss.; 6.1 mi. SW of Holly Springs, on State Highway No. 4; Willie Wilkins Creek, Pigeon Roost Creek Watershed, Tazoo River Basin.

AREA: 1000.00 acres 1.56 sq. wiles

80	ONTHL	PRECIP	TATIOB	AND RUNO	FF (inche:	s)		OXPOR	D, MISS	ISSIPPI	WATER	SHED W-5		
		Jan	Peb	Har	Apr	Вау •	Jun	Jul A	ug :	Sep	Oct	Nov	Dec	Annual
1971	P Q	4.59 1.976	6.96 4.621	3.99 0.874	3.36 0.331	3.04 0.286	3.69 0.263			3.56 0.081	0.62 0.0	1.81	4.79 0.321	42.56 8.801
STA AV	P Q	3.76 1.359	4.81 1.982	4.91 1.860	4-97 1-456	4.13 0.714	3.20 0.350			4.57 0.508	2.45 0.211	4.18 0.777	5.27 1.613	49.89 11.511
ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM YOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS Baximum Yolume for Selected Time Interval														
		Disch		1 Hour	2.1	Hours			Selecte: Bours	1	Day	2 Days		Davs
		Date 1		Date Vol		Vol-	Date V	ol. Date	Vol.	Date	Vol.	Date Vo	1. Date	Vol.
1971			ate	Date Vol	l. Date	Vol-		ol. Date						vol.
1971		Date 1	ate	Date Vol	l. Date 152 2-21	7ol. 1.468	2-21 1		2.596					vol.

NOTES: Watershed conditions: About 26% in cultivation (cotton, ryegrass and soybeans), fair cover November to March, poor cover April and May improving to good by mid-buly: 47% in pasture and idle land, good cover April to October with fair cover resembled or the recent ages of total area in various land read of the cover is the cover is the cover is the cover is the cover appear of the cover appear of the cover is th

1971	Di	AILY PREC	ROITATION	(inches)			OXPORD	, mississ	IPPI WA	TERSHED W	-5	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.59	0.0	0.29	0.0	0.0	0.07	0.0	0.0	0.0
2	0.0	0.0	0.19	0.0	0.03	0.0	0.0	0.0	0.81	0.0	0.12	0.47
3	0.20	0.12	0.06	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.48
4	0.41	0.75	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.02	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.06	0.0	0.54	0.0	0.15
6	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.38	0.21
7	0.0	0.11	0.0	0.0	0.18	0.48	0.0	0.0	0.05	0.0	0.0	0.01
8	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.24	0.0	0.0	0.0	0.07	0.83	0.0	0.0	0.06	1.11
10	0.0	0.0	0.19	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.04
11	0.02	0.0	0.0	0.0	0.18	0.0	0.0	0.18	0.0	0.0	0.0	0.0
12	0.0	1.11	0.0	0.0	1.58	0.0	0.0	0.0	0.0	0.0	0.0	0.47
13	0.01	0.0	0.68	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.03
14	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41
15	0.0	0.0	0.19	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.50
16	0.0	0.0	0.0	0.0	0.0	1.58	0.0	0.0	0.98	0.0	0.0	0.04
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.43	0.13	0.0	0.52	0.0	0.0	0.0	0.0	0.51	0.0
19	0.0	0.76	0.0	0.0	0.0	0.0	0.02	0.0	0.99	0.0	0.04	0.10
20	0.0	0.0	0.0	1. 13	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0
21	0.26	3.50	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1.14	0.0	0.02	0.11	0.0	0.0	0.0	0.24	0.0	0.0	0.03	0.0
23	0.35	0.0	0.0	0.64	0.0	0.0	0.04	0.0	0.0	0.02	0.12	0.0
24	1.43	0.0	0.0	0.0	0.50	0.0	1.71	0.0	0.0	0.03	0.0	0.0
25	0.0	0.03	1.18	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0
26	0.0	0.49	0.0	0.0	0.0	0.0	0.0	1.26	0.63	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.41	0.21	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.38	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.55	0.15
29	0.0		0.03	0.21	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.03
30	0.0		0.0	0.20	0.0	0.0	0.20	0.17	0.0	0.0	0.0	0.58
31	0.0		0.0		0.0		0.0	0.33		0.0		0.0
TOTAL	4.59	6.96	3.99	3.36	3.04	3.60	2.64	3.60	3.56	0.62	1.81	4.79
STA AV	3.76	4.81	4.91	4.97	4.13	3.20	3.67	3.96	4.57	2.45	4.18	5.27

HOTES: For daily air temperatures in the vicinity, see table for Watershed W-UC (p. 62.001-1). Daily precipitation values Thiessen weighted from rain gages 8 and 33. STA MV based on 15 yr (1957-71) record period.

197	1	MEAN DAIL	T DISCHARG	SE (cfs)			OIPORD	, MISSISS	IPPI WA	TRESHED W	-5	
Da y	Jan	Peb	Bar	Δpr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.22	1.82	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.22	0.59	0.15	0.0	0.0	0.0	2.79 0.09	0.0	0.0	0.0
4	3.15	5.55	0.22	0.0	0.15	0.0	0.0	0.0	0.09	0.0	0.0	0.0
5	0.68	2.97	0.11	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.82	0.80	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.48	1.01	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.48	0.35	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.48	0.22	0.0	0.15	0.0	0.0	0.45	0.0	0.0	0.0	2.75
10	0.0	0.48	0.22	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.07
11	0.0	0.43	0.22	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	22.93	0.16	0.0	5.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	2,43	10.14	0.0	2.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	4.43	0.98	0.61	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.75
15	0.36	0.36	0.53	0.0	0.15	0.36	0.0	0.0	0.0	0.0	0.0	5.86
16	0.0	0.55	0.26	0.0	0.15	9.83	0.0	0.0	0.0	0.0	0.0	1.26
17	0.0	0.43	0.19	0.0	0.15	0.18	0.0	0.0	0.0	0.0	0.0	0.72
18 19	0.0	0.39	0.38	0.0	0.15 0.15	0.48	0.0	0.0	0.0	0.0	0.0	0.15
20	0.0	5.40 0.43	0.38	0.0	0.15	0.21	0.0	0.0	0.13	0.0	0.0	0.15
20	0.0	0.43	0.22	1. 14	0.15	0.0	0.0	0.0	0.39	0.0	0.0	0.15
21	0.0	115.90	0.22	4.15	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
22	12.22	20.48	0.22	0.11	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
23	5.06	2.22	0.22	4.26	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.15
24	54.70	1.07	0.11	0.78	0.39	0.0	0.17	0.0	0.0	0.0	0.0	0.15
25	1.95	0.54	15.46	0.27	0.20	0.0	0.34	0.0	0.0	0.0	0.0	0.15
26	0.50	6.77	1.38	0.15	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.15
27	0.0	1.17	0.05	0.15	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.15
28	0.0	0.40	0.47	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
29	0.0		1.71	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
30	0.0		0.10	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
31	0.0		0.10		0.0		0.0	0.0		0.0		0.08
MEAN	2.6785	6.9341	1.1844	0.4629	0.3879	0.3680		0.0489	0.1133	0.0	0.0	0.4356
INCHES	1.976	4-621	0.874	0.331	0.286	0.263	0.012	0.036	0.081	0.0	0.0	0.321
STA AV	1.359	1.982	1.860	1.456	0.714	0.350	0.287	0.394	0.508	0.211	0.777	1.613

HOTES: To convert discharge in CFS to IB/DAY, multiply by 0.02380. Quality of records: Good, estimated to be within 10% of actual. STA AV based on 15 yr (1957-71) record period.

ANTECEDEN Date R		Runoff	2-4-		NPALL Intensity	Acc.	Date	RUNO		Acc.
		(inches)		of Day						(inches)
		(Inches)				(Inches)	во-рау	or Day	(CIS)	(Inches)
			RVE	NT OF FERE	RUARY 21 -	23. 1971				
n.c	WTD002			RG WTDC		,				
2-21	0.23	0006	2-21	800	0.0	0.0	2-21	812	0.713	0.0
2-21	0.23	0.000	2-21	815	0.2005	0.05	2-21	840	1.003	0.0004
				830	0.4800	0.03		904	3.404	0.0013
				845	0.1600	0.21		918	8,287	0.0027
				900	0.2000	0.26		930	21.495	0.0027
WATERSHED CO	EDITTORS-			500	0.2000	0.20		230	21.493	0.0007
bout 26% of				915	0.2400	0.32		946	38,600	0.0136
ation, prima				930	0-1600	0.36		954	46.400	0.0192
vegrass and				945	0.2000	0.41		1000	51,200	0.0240
fair cover				1000	0.0800	0.43		1016	56.000	0.0382
esidue from				1015	0.0800	0.45		1026	59.600	0.0302
n pasture an	d 1410 12	2414		1013	0.0000	0.45		1020	334000	0.04//
ith fair to				1030	0.1200	0.48		1030	59.600	0.0517
6% in woods,				1045	0.1600	0.52		1036	59.600	0.0576
% in bare qu		er.		1100	0. 1200	0.55		1042	60.800	0.0636
w in pare de	TTTED.			1115	0-6800	0.72		1050	58.400	0.0715
				1130	0.4000	0.82		1100	59.000	0.0812
				1130	08 4000	0.02			551000	000012
				1145	0.7200	1.00		1106	57.800	0.0870
				1200	0.3193	1.08		1118	61.400	0.0988
				1215	0.0	1.08		1128	72.868	0.1099
				1230	0.0400	1.09		1142	105.100	0.1305
				1245	0.0	1.09		1152	151.200	0.1517
				1300	0.1600	1. 13		1202	201.936	0.1809
				1315	0.2400	1.19		1208	238.720	0.2028
				1330	0-0400	1.20		1214	279.292	0.2284
				1345	0-0400	1.21		1222	305.000	0.2670
				1500	0.0	1.21		1226	313.397	0.2874
				1515	0.0400	1.22		1234	312.000	0.3288
				1530	0.2000	1. 27		1238	287.023	0.3486
				1545	0.0	1.27		1250	238.720	0.4007
				1600	0.0400	1.28		1300	208.995	0.4377
				1615	0.0	1.28		1318	156.795	0.4921

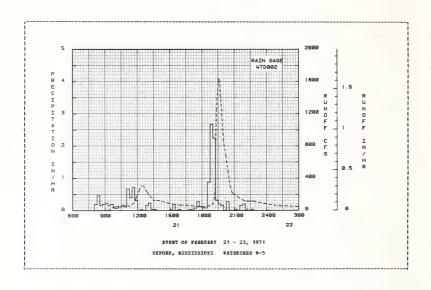
NOTES: To convert runoff in CFS to IB/EB, multiply by 0.000992. Thiessen weighted storm rainfall, rain gages 8 and 33. For 30-day antecedent P and Q, see tables on pp. 62.002-1 and 2.

		P EVENT				OXFORD, BI			BD W-5	
ANTECEDEN	T COMDIT	TIONS		RAI	NFALL	1	2-4-	RUNCF:	Rate	Acc.
	ainfall inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	of Day	(cfs)	(inches)
			EVENT OF	PEBRUARY	21 - 23,	1971 (CON	TINUED)			
			2-21	1630	0.0	1.28	2-21	1328	131.195	0.5159
				1645 1700	0.0	1.28 1.29		1336 1352	126.326 127.128	0.5329
				1715	0.0400	1.30		1404	121.128	0.5910
				1730	0.0800	1.32		1414	117.695	0.6107
				1745	0.2800	1.39		1430	105.800	0.6403
				1800	0.1200	1.42		1444	96.700	0.6637
				1815	0.0800	1.44		1500 1516	88.300	0.6882
				1830 1845	0.0800	1.46 1.68		1532	80.600 75.700	0.7105 0.7312
								1550	70.026	
				1900 1915	2.6800	2.35 2.91		1614	68.000	0.7529 0.7803
				1930	0.3200	2.99		1644	65.528	0.8134
				1945	0.2000	3.04		1714	56.600	0.8437
				2000	0.1600	3.08		1728	50.600	0.8561
				2015	0.0	3.08		1758	45.800	0.8800
				2030 2045	0.2800	3.15 3.15		1814 1832	47.600 54.200	0.8923
				2100	0.0	3.15		1844	60.800	0.9188
				2115	0.0400	3.16		1900	75.700	0.9369
				2130	0.0	3.16		1910	166.626	0.9569
				2145	0.1600	3.20		1914	352.468 808.000	0.9781
				2200 2215	0.2000	3.25 3.26		1916	808.000 1249.996	0.9933
				2230	0.0400	3.26			1574.998	1. 2949
				2245	0.0400	3.27		1932	1639.998	1.3478
				2245	0.0400	3.21		1938	1589.996	1.5081
								1948	1289.996	1.7459
								1958 2012	884.477 682.000	1.9257 2.1070
								2024 2036	489.781 303.594	2.2232
								2046	223.952	2.3455
								2104	190.100	2.4071
								2118	168.438	2.4486
								2130	148.800	2.4801
								2150 2158	127.128 117.000	2.5257 2.5418
								2206	114.200	2.5571
								2228	114.200	2.5986
								2234	116.300	2.6100
								2244	112.800	2,6289
								2248 2302	114.200 107.900	2.6364
								2316	100.900	2,6863
								2330	93.900	2.7088
								2346	88.300	2.7329
								2400	83.400	2,7528
							2-22	28 56	69.336 62.595	2.7881
								128 158	57.200 54.200	2.8503 2.8779
								242	50.000	2.9158
								328	45.800	2.9522
								356	42.200	2.9726
								410	44.000	2.9826
								436 526	40.400 38.600	3.0007 3.0333
								558	36.784	3.0532
								636	37.395	3.0765
								718	34.328	3.1014
								806	33.136	3.1282
								848 900	32.559 29.928	3.1510 3.1572
								914	25.500	3. 1572
								020		
								928 946	19.438 16.136	3.1688 3.1741
								1012	12.189	3.1802
								1044 1112	9.000 6.631	3.1858 3.1894
								1134	5.700	3.1916
								1202 1300	4.800 4.508	3.1940 3.1985
								1436	4.508	3.2057
								1918	3.669	3.2248

NOTES: To convert runoff in CFS to IN/BB, multiply by 0.000992. Thiessen weighted storm rainfall, raim gages 8 and 33. For 30-day antecedent P and Q, see tables on pp. 62.002-1 and 2.

1971 SELECTED RUNOFF EVERT			OXFORD, BI	SSISSIPPI	WATERS	IED W-5	
ANTECEDENT CONDITIONS Date Rainfall Runoff Ho-Day (inches) (inches)	RA: Date Time Ho-Day of Day	INFALL Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUHOF! Time of Day	Rate (cfs)	Acc. (inches)
	EVERT OF PERSONNY	21 - 23,	1971 (COM	TINUED)			
 				2-22 2-23	2400 2400	2.900 1.548	3.2401 3.2930

NOTES: To convert runoff in CFS to IB/HB, multiply by 0.000992. Thiessen weighted storm rainfall, raim gages 8 and 33. For 30-day antecedent F and Q, see tables on pp. 62.002-1 and 2.



OXFORD, MISSISSIPPI WATERSHED W-10

LOCATION: Barshall Co., Biss.; 3.3 mi. BW of Chulahoma, on County road; Dry Fork Creek, Pigeon Boost Creek Watershed, Yazoo River Basin.

AREA: 5530.00 acres 8.64 sq. miles

6.21 3.95 2.314 0.225 5.00 4.98 1.395 1.497	3.24 3.19 0.009 0.087 5.04 4.58 1.164 0.741	0.237 3.25	2.36 7.3 0.0 0.1 3.90 4.0 0.361 0.3	362 0.009 3 4.46	0.60 2.1 0.0 0.0 2.51 4.3 0.147 0.5	0.0 8 5.51	46.06 4.867 51.52 9.283
1.395 1.497							
THUM DISCHARGE (i							
inum		Maximum Vo	lume for Se	elected Time	[nterval		Davs
Rate Date Vo							e Vol.
0.438 8-26 0.	381 8-26 0.53	9 2-21 0.	642 2-21	1.068 2-21	1.581 2-20	1.732 2-1	4 1.907
).438 8-26 0.381 8-26 0.53	0.438 8-26 0.381 8-26 0.539 2-21 0.	0.438 8-26 0.381 8-26 0.539 2-21 0.642 2-21).438 8-26 0.381 8-26 0.539 2-21 0.642 2-21 1.068 2-21 1.581 2-20	0.438 8-26 0.381 8-26 0.539 2-21 0.642 2-21 1.068 2-21 1.581 2-20 1.732 2-1

NOTES: Watershed conditions: About 12% in cultivation (cotton, corn and soybeans), fair cover November to Harch, poor cover April and May improving to good by mid-July; 38% in pasture and idle land, good cover April to October with fair cover remainder of year; 48% in woods, good cover; 12% bare gullies. Percentages for total area in various with fair cover remainder for the fair and to the province of the control of the c

19	971 D	AILY PREC	IPITATION	(inches)			OXFORD	, MISSISS	IPPI WA	TERSHED W-	-10	
Day	y Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Boa	Dec
1	0.0	0.0	0.0	0.63	0.0	0.54	0.0	0.0	0.22	0.0	0.0	0.0
2	0.0	0.0	0.20	0.0	0.02	0.0	0.0	0.0	0.24	0.0	0.04	0.54
3	0.31	0.11	0.07	0.0	0.0	0.0	0.0	0.06	0.05	0.0	0.0	0.54
5	0.33	0.76 0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.01	0.0	0.0
. 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.01	0.55	0.0	0.20
6	0.0	0.0	0.33	0.0	0.0	0.0	0.08	1.26	0.0	0.0	0.44	0.25
7	0.0	0.11	0.0	0.0	0.22	0.75	0.0	0.0	0.0	0.0	0.0	0.01
8	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.25	0.0	0.0	0.0	0.07	1.30	0.0	0.0	0.06	1.24
10	0.0	0.0	0.24	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	0.02	0.01	0.0	0.0	0.13	0.0	0.0	0.28	0.0	0.0	0.0	0.0
12	0.0	1.26	0.0	0.0	1.80	0.0	0.0	0.0	0.0	0.0	0.0	0.44
13	0.00	0.0	0.39	0.05	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.04
1 14	0.56	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.45
15	0.0	0.0	0.21	0.0	0.0	0.11	0.0	0.0	0.0	0.01	0.0	0.52
1 16	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.02	0.78	0.0	0.0	0.04
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.53	0.17	0.0	1.34	0.0	0.0	0.0	0.0	0.76	0.0
19	0.0	0.82	0.0	0.0	0.0	0.0	0.02	0.0	1.13	0.0	0.06	0.11
20	0.0	0.0	0.0	1.11	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
21	0.29	2.36	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1.08	0.0	0.06	0.16	0.0	0.0	0.0	0.21	0.0	0.0	0.03	0.0
23	0.43	0.0	0.0	0.44	0.0	0.0	0.06	0.0	0.0	0.03	0.12	0.0
24	1.51	0.0	0.0	0.0	0.41	0.0	1.27	0.0	0.0	0.00	0.0	0.0
25	0.0	0.03	1.21	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0
26	0.0	0.66	0.0	0.0	0.0	0.0	0_01	3.23	0.63	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.29	0.18	0.0	0.0	0.01	0.0	0.0	0.0
28	0.0	0.0	0.44	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.61	0.15
29	0.0		0.03	0.21	0.0	0.09	0.07	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.20	0.0	0.0	0.18	0.27	0.0	0.0	0.0	0.64
31	0.0		0.0		0.0		0.0	0.36		0.0		0.0
TOTAL	4.54	6.21	3.95	3.24	3, 19	4.31	2.36	7.20	3,13	0.60	2.13	5.20
STA AV	3.89	5.00	4.98	5.04	4.58	3.25	3.90	4.03	4.46	2.51	4.38	5.51

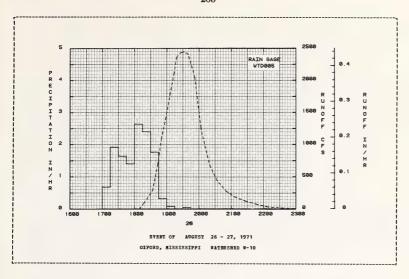
NOTES: For daily air temperatures in the vicinity, see table for Watershed W-4C (p. 62.001-1). Daily precipitation values Thiessen weighted from rain gages 13, 14, 20, 24 and 26. STA AV based on 15 yr (1957-71) record period.

197	71	MEAN DAIL	Y DISCHARG	E (cfs)			OXPORE	, mississi	PPI WA	EBBSHED W-	10	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.07	0.19	0.19	0.07	0.07	0.07	0.0	0.0	0.07	0.0	0.0	0.0
2	0.07	0.19	0.19	0.07	0.07	0.07	0.0	0.0	0.07	0.0	0.0	0.0
3	0.07	0.19	0.19	0.07	0.07	0.07	0.0	0.0	0.07	0.0	0.0	0.0
4	0.07	0.19	0.19	0.07	0.07	0.07	0.0	0.0	0.07	0.0	0.0	0.0
5	0.07	0.19	0.19	0.07	0.07	0.07	0.0	0.03	0.07	0.0	0.0	0.0
6	0.07	0.19	0.19	0.07	0.07	0.07	0.0	36.80	0.07	0.0	0.0	0.0
7	0.07	0.19	0.19	0.07	0.07	0.07	0.0	7.91	0.07	0.0	0.0	0.0
8	0.07	0.19	0.19	0.07	0.07	0.07	0.0	0.03	0.07	0.0	0.0	0.0
9	0.07	0.19	0.19	0.07	0.07	0.07	0.0	14.91	0.07	0.0	0.0	0.0
10	0.07	0.19	0.19	0.07	0.07	0.07	0.0	0.07	0.07	0.0	0.0	0.0
11	0.07	0.14	0.19	0.07	0.08	0.07	0.0	0.07	0.07	0.0	0.0	0.0
12	0.07	86.50	0.19	0.07	17-23	0.07	0.0	0.07	0.07	0.0	0.0	0.0
13	0.07	0.34	0.19	0.07	0.97	0.07	0.0	0.07	0.07	0.0	0.0	0.0
14	0.07	0.19	0.19	0.07	0.07	0.07	0.0	0.07	0.07	0.0	0.0	0.0
15	0.07	0.19	0.19	0.07	0.07	0.08	0.0	0.07	0.07	0.0	0.0	0.0
16	0.07	0.19	0.19	0.07	0.07	11.65	0.0	0.07	0.07	0.0	0.0	0.0
17	0.07	0.19	0.19	0.07	0-07	0.0	0.0	0.07	0.07	0.0	0.0	0.0
18	0.07	0.17	0.19	0.07	0.07	41.99	0.0	0.07	0.07	0.0	0.0	0.0
19	0.07	42.13	0.19	0.07	0.07	0.21	0.0	0.07	0.07	0.0	0.0	0.0
20	0.07	0.37	0.19	0.07	0.07	0.05	0.0	0.07	0.07	0.0	0.0	0.0
21	0.06	296.73	0.19	0.07	0.07	0.0	0.0	0.07	0.07	0.0	0.0	0.0
22	17.67	106.75	0.19	0.07	0.07	0.0	0.0	0.07	0.07	0.0	0.0	0.0
23	0.18	0.58	0.19	0.07	0.07	0.0	0.0	0.07	0.07	0.0	0.0	0.0
24	237.38	0.37	0.19	0.07	0.07	0.0	0.0	0.07	0.07	0.0	0.0	0.0
25	3.34	0.26	47.39	0.07	0.07	0.0	0.0	0.16	0.07	0.0	0.0	0.0
26	0.19	0.22	0.07	0.07	0.07	0.0	0.0	139.11	0.07	0.0	0.0	0.0
27	0.19	0.16	0.07	0_07	0.07	0.0	0.0	0.04	0.07	0.0	0.0	0.0
28	0.19	0.18	0.07	0.07	0.07	0.0	0.0	0.07	0.07	0.0	0.0	0.0
29	0.19		0.07	0.07	0.07	0.0	0.0	0.07	0.07	0.0	0.0	0.0
30	0.19		0.07	0.07	0.07	0.0	0.0	0.07	0.07	0.0	0.0	0.0
31	0.19		0.07		0.07		0.0	0.07		0.0		0.0
BAN	8.424	19.199	1_689	0.069	0.652	1.832	0.0	6.461	0.069	0.0	0.0	0.0
CHES	1.124	2.314	0.225	0.009	0.087	0.237	0.0	0.862	0.009	0.0	0.0	0.0
VA AT	1.098	1.395	1.497	1.164	0.741	0.218	0.361	0.385	0.440	0.147	0.589	1.2

NOTES: To convert discharge in CFS to IM/DAT, multiply by 0.0043041. Quality of records: Poor, estimated to be within 20% of actual. STA AV based on 14 yr (Jan. 1957 thru Sept. 1965 and Oct. 1966 thru Dec. 1971) record period.

1 SELECTED RUBOR					OXFORD, 83			SHED W-10		
ARTECEDENT CONDIC				BFALL			RUBOPF			
Date Rainfall	Runoff		Time	Intensity	Acc.	Date	Time	Rate	Acc.	
No-Day (inches)	(inches)			(in/hr)				(cfs)	(inches)	
		BAB	HT OF AU	GUST 26 -	27, 1971					
RG WID005			RG WTDO							
8-26 0.01	0.001	8-26	1700	0.0	0.0	H-26	1810	0.248	0.0	
			1715	0.6800	0.17		1820	119.000	0.0018	
			1730	1.9208	0.65		1834	288.398	0.0104	
			1745	1.6409	1.06		1844	724.998	0.0253	
			1800	1.4000	1.41		1850	1091.999	0.0418	
ATERSHED CONDITIONS:										
out 12% of area in o			1815	2.6400	2.07		1858	1398.999	0.0715	
tion, primarily cot			1830	2-4000	2.67		1906	1780.999	0.1094	
rn, and soybeans; 38			1845	1.7602	3.11		1914	2137.758	0.1561	
sture and idle land,			1900	0.3200	3.19		1918	2359.999	0.1829	
ir cover; 48% in woo	ods,		1915	0.0800	3.21		1926	2434.998	0.2400	
od cover; 2% in bare	e gul-								0.2844	
es.			1930 1945	0.0 0.0400	3.21		1932	2442.500	0.2844	
			1945	0.0400	3.22		1940	2046.998	0.3421	
							1952	1230.000	0.4216	
							2020	674,999	0.5267	
							2020	674.999	0.5267	
							2034	433.997	0.5500	
							2050	275,000	0.5669	
							2106	185,000	0.5779	
							2126	119.000	0.5870	
							2150	62.060	0.5935	
							2210	24.472	0.5961	
							2234	9.827	0.5973	
							2304	2.758	0.5979	
							2332	0.744	0.5980	
							2354	0.317	0.5980	
							2400	0.190	0.5980	
						8-27	102	0.141	0.5980	
							202	0.083	0.5980	
							332	0.058	0.5980	
							502	0.0	0.5980	

NOTES: To convert runoff in CFS to IM/HB, multiply by 0.0001793. Thiessen weighted storm rainfall, rain gages 13, 14, 20, 24 and 26. For 30-day antecedent P and Q, see tables on pp. 62.003-1 and 2.



OXFORD, MISSISSIPPI WATERSHED W-12

LOCATION: Marshall Co., Miss.; 5.6 mi. SW of Holly Springs, on county road; Pigeon Boost Creek Watershed, Yazoo River Basin.

AREA: 22800.00 acres 35.60 sq. miles

HC.	NTHL.	PRECI	PITATION	AND BU	NOPP (inche	s)		0	XFORI	, HISS	ISSIPP1	WATE	RSHED W	-12		
		Jan	Peb	Bar	Ap	c	May	Jun	Jul	Au	19	Sep	Oct	HOV	Dec		Annual
1971	P Q	4.38 0.858	6.43 2.217	3.68 0.31		31 161	3.37 0.155	3.67 0.262	2.62 0.017			3.39 0.019	0.59 0.013	1.84	4.6		41.12 4.138
TA AV	P Q	3.72 0.727	4.80 1.133	4.77		B9 B39	4.21 0.506	3.22 0.215	3.83 0.219			4.39 0.276	2.41 0.105	4.16 0.410	5.2		49.41 6.612
	ANN	đa x	inus					aximum	Volume	for S	Selecte	d Time	Interva	1			
		Disc:	Bate	Date	Vol.		Wol.	Date			Vol.		Vol.	2 Da Date	ys ¥ol.		Vol.
1971		2-21	0.276	2-21	0.268	2-21	0.511	2-21	1.021	2-21	1.312	2-21	1.602	2-21	1.699	2-19	1.88
							BAXIBUBS	FOR P	RIOD OF	RECO	DRD						
		2-23	0.350	2-23	0.350	2-23	0.680	2-23	1.380	2-23	1.620	11-27	1.930	1-30	2.280	3-24	4.360

HOTES: Watershed conditions: About 17% in caltivation (cotton, corm, sopheams, regress), fair cover November to Barch, poor cover April and May inproving to good by mid-July; 28% in pasture and idle length good cover April to October with fair cover resainder of year; 47% in woods, good cover; 1% in bare gallies; 7% urban. Percentages of total area in various land use categories are based on the latest survey completed in 1972. About 18% of drainage area above small desilting and retention dams. For map of watershed, see Hydrologic Data for Exprisental Agricultural Watersheds; in the United States, 1956-59, USDA misse. Pab. 945, p. 62.4-6. Boathly pracipitation Thiessen weighted from 16 rain gages. Precipitation and runoff records began Jan. 1957. For long-time precipitation records, see Bational weather Service records at Molly Springs, 48%, Mississippi.

1971	D	AILY PREC	IPITATION				ONFORD	, mississ	IPPI WA	TERSHED W	-12	
Day	Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	0.0	0.0	0.0	0.58	0.0	0.26	0.0	0.0	0.09	0.0	0.0	0.0
2	0.0	0.0	0.17	0.0	0.03	0.0	0.0	0.01	0.44	0.0	0.04	0.44
3	0.23	0.11	0.06	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.47
4 5	0.36	0.72	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.03	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.00	0.30	0.0	0.15
6	0.0	0.0	0.33	0.0	0.0	0.12	0.07	0.38	0.02	0.0	0.36	0.22
7	0.0	0.10	0.0	0.0	0.19	0.42	0.0	0.01	0.12	0.0	0.0	0.01
8	0.0	0.10	0.0	0.0	0.0	0.13	0.0	0.00	0.01	0.0	0.0	0.0
9	0.0	0.0	0.20	0.0	0.0	0.0	0.07	0.67	0.0	0.0	0.05	1.18
10	0.0	0.0	0.20	0.0	0.22	0.0	0.0	0.11	0.0	0.0	0.0	0.03
11	0.02	0.00	0.0	0.0	0.16	0.0	0.0	0.15	0.00	0.0	0.0	0.0
12	0.0	1.08	0.0	0.0	1.62	0.0	0.0	0.0	0.0	0.0	0.0	0.41
13	0.01	0.0	0.51	0.03	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.03
14	0.64	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.37
15	0.0	0.0	0.18	0.0	0.0	0.05	0.0	0.0	0.0	0.00	0.0	0.53
16	0.0	0.0	0.0	0.0	0.0	1.69	0.0	0.0	0.78	0.0	0.0	0.04
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.45	0.11	0.0	0.65	0.0	0.01	0.0	0.0	0.63	0.0
19	0.0	0.77	0.0	0.0	0.0	0.0	0.04	0.00	1.11	0.0	0.05	0.11
20	0.0	0.0	0.0	1.09	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0
21	0.29	3.03	0.0	0.31	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
22	1.13	0.0	0.01	0.08	0.0	0.0	0.0	0.27	0.0	0.0	0.02	0.0
23	0.42	0.0	0.0	0.71	0.0	0.0	0.20	0.0	0.0	0.01	0.13	0.0
24	1.19	0.0	0.0	0.0	0.82	0.0	1.54	0.0	0.0	0.04	0.0	0.0
25	0.0	0.02	1.14	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0
26	0.0	0.50	0.0	0.0	0.0	0.0	0.03	1.05	0.76	0.0	0.0	0.0
27	0.10	0.0	0.0	0.0	0.27	0.18	0.0	0.0	0.00	0.0	0.0	0.0
28	0.0	0.0	0.40	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.56	0.08
29	0.0		0.04	0.22	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.02
30	0.0		0.0	0.19	0.0	0.0	0.17	0.09	0.0	0.0	0.0	0.50
31	0.0		0.0		0.0		0.0	0.27		0.0		0.0
TOTAL	4.38	6.43	3.68	3.31	3.37	3.67	2.62	3.22	3.39	0.59	1.84	4.61
STA AV	3.72	4.80	4.77	4.89	4.21	3.22	3.83	3.81	4.39	2.41	4.16	5.20

BOIES: For daily air temperatures in the vicinity, see table for Watershed W-AC (p. 62.001-1). Daily precipitation values Thiessem weighted from raim gages 4 thru 9, 13, 15, 18 thru 20, 25, 29 thru 31 and 33. SIM AV based on 15 yr (1957-7); record period.

1 0.9 0.4 7.8 12.7 2.2 2.3 0.4 0.1 0.2 0.3 0.6 0 2 0.9 0.5 8.0 11.8 2.2 1.9 0.4 0.1 0.2 0.3 0.6 0 3 1.1 0.4 8.2 5.6 2.2 1.6 0.4 0.2 0.5 0.3 0.6 0 5 11.5 11.2 6.0 4.2 2.2 1.6 0.4 0.2 0.5 0.3 0.6 0 6 0.9 1.5 12.5 4.1 2.0 1.7 0.4 0.1 0.2 0.5 0.5 0.6 0 6 0.9 1.5 12.5 4.1 2.0 1.7 0.4 0.1 0.2 0.5 0.6 0 6 0.9 1.5 12.5 4.1 2.0 1.7 0.4 0.1 0.2 0.5 0.6 0 10 0.8 0.8 0.7 1 2.8 2.0 1.7 0.4 0.3 0.2 0.3 0.4 0.6 0 9 0.9 0.7 5.5 2.8 1.5 2.3 0.3 0.3 0.3 0.3 0.7 18 0 10 0.8 0.8 0.8 7.1 2.8 2.0 1.3 0.2 0.4 0.3 0.3 0.3 0.7 18 0 11 0.6 1.0 5.9 2.9 2.0 1.3 0.2 0.4 0.3 0.3 0.3 0.7 0.7 3 11 0.6 226.6 4.4 2.6 44.1 1.3 0.2 0.6 0.3 0.2 0.7 0.3 0.7 18 0 12 0.4 236.6 4.8 2.6 44.1 1.3 0.2 0.6 0.3 0.2 0.7 0.3 0.7 18 0 13 0.5 12.0 31.5 2.1 20.5 1.1 0.2 0.4 0.3 0.2 0.7 0.7 3 16 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	191	71	BBAN DAIL	DISCHARG	E (cfs)			OXFORD,	HISSISSI	PPI WAT	BBSBBD W-	12	
2 0.9 0.5 8.0 11.8 2.2 1.9 0.4 0.1 0.2 0.3 0.3 0.6 0 3 1.1 0.6 1.1 0.4 0.2 0.5 0.3 0.6 0 1 3 1.1 0.4 8.2 5.6 2.2 1.6 0.4 0.2 0.2 0.3 0.3 0.6 1 1 1.5 11.2 6.0 4.2 2.2 1.6 0.4 0.2 0.2 0.2 0.2 0.2 0.6 0 0 5 1.5 11.5 11.2 6.0 4.2 2.2 1.6 0.4 0.2 0.2 0.2 0.2 0.5 0.6 0 0 6 0 0 9 1.5 11.2 4 1.2 1.2 1.7 0.4 0.1 0.2 0.2 0.2 0.2 0.6 0 0 6 0 0 9 1.5 11.2 5 4.1 2.0 1.7 0.4 0.1 0.2 0.2 0.3 0.2 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Δug	Sep	Oct	Nov	Dec
3 1.1 0.4 8.2 5.6 2.2 1.6 0.4 0.2 0.3 0.3 0.3 0.6 1 8 4.1 23.3 7.4 4.2 2.2 1.6 0.4 0.2 0.2 0.2 0.6 0.8 5 1.5 11.2 6.0 4.2 2.2 1.7 0.4 0.1 0.2 0.2 0.5 0.6 0 6 0.9 1.5 11.2 6.0 4.2 2.2 1.7 0.4 0.1 0.2 0.5 0.6 0 7 0.9 1.0 10.6 3.8 2.2 2.3 0.4 0.2 0.3 0.3 0.2 0.6 0 8 0.9 0.8 6.9 3.2 1.9 1.9 1.9 0.4 0.1 0.3 0.2 0.3 0.2 0.6 0 9 0.9 0.7 5.5 2.8 1.5 2.3 0.4 0.2 0.3 0.3 0.3 0.7 1 10 0.8 0.8 7.1 2.8 2.0 1.3 0.2 0.4 0.3 0.3 0.3 0.7 1 11 0.6 1.0 5.9 2.9 2.0 1.3 0.2 0.4 0.3 0.3 0.3 0.7 1 12 0.4 236.6 4.4 2.6 44 1.3 0.2 0.6 0.3 0.2 0.7 3 13 0.5 12.0 31.5 2.1 20.5 1.1 0.2 0.6 0.3 0.2 0.7 2 14 3.0 1.9 5.9 1.9 1.9 2.6 41 1.3 0.2 0.6 0.3 0.2 0.7 1 15 1.5 1.4 5.7 1.9 1.5 1.3 0.2 0.4 0.3 0.2 0.7 0.8 2 17 0.8 0.8 0.8 3.9 1.9 1.9 1.9 2.0 1.1 0.2 0.4 0.3 0.2 0.8 2 17 0.7 0.8 0.8 3.9 1.9 1.3 178.5 0.1 0.2 0.4 0.3 0.2 0.8 2 17 0.7 0.8 0.8 3.9 1.9 1.3 178.5 0.1 0.2 0.5 0.3 0.3 0.3 0.8 1 10 0.8 0.8 0.8 3.9 1.9 1.3 178.5 0.1 0.2 0.2 0.3 0.2 0.8 22 17 0.7 0.8 0.8 0.8 3.9 1.9 1.2 2.6 0.1 0.2 0.2 0.3 0.2 0.8 22 17 0.7 0.8 0.8 0.8 3.9 1.9 1.3 178.5 0.1 0.2 0.2 0.3 0.3 0.8 1 19 0.6 0.6 3.8 2.0 1.2 3.1 2.2 2.5 1.4 1.7 0.2 0.2 0.2 0.3 0.3 1.2 0.8 2 17 0.7 0.6 3.2 1.9 1.2 2.6 0.1 0.2 0.2 0.3 0.3 0.8 1 19 0.6 0.6 3.8 3.9 1.9 1.9 1.0 3.1 2.2 0.4 0.1 0.2 0.5 0.3 0.3 1.2 0.8 2 17 0.7 0.6 3.2 1.9 1.2 2.6 0.1 0.2 0.2 0.3 0.3 0.8 1 19 0.8 0.8 0.8 3.9 1.9 1.0 1.2 2.6 0.1 0.2 0.2 0.3 0.3 0.8 1 19 0.6 0.6 3.8 2.2 1.9 1.2 2.6 0.1 0.2 0.2 0.3 0.4 0.7 1 22 1 0.6 1233.1 4.7 25.9 1.4 1.7 0.2 0.2 0.2 0.3 0.4 0.7 1 23 25 26.5 8.3 80.4 2.1 12.5 1.7 2.3 0.7 0.9 0.1 0.4 0.2 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7													0.4
\$\begin{array}{cccccccccccccccccccccccccccccccccccc													0.3
5 1,5 11,2 6,0 4,2 2,2 1,7 0,4 0,1 0,2 0,5 0,6 0,6 0,6 0,7 0,9 1,5 12,5 4,1 2,0 1,7 0,4 0,3 0,2 0,3 0,6 0,6 0,7 0,9 1,0 10,6 3,8 2,2 2,2 3,3 0,4 0,2 0,3 0,3 0,3 0,2 0,6 0,6 9,9 0,9 0,9 0,7 5,5 2,8 1,5 2,3 0,3 0,3 2,3 0,3 0,3 0,7 18 0,8 0,8 7,1 2,8 2,0 1,3 0,2 0,4 0,3 0,3 0,7 0,9 0,8 0,8 0,8 7,1 2,8 2,0 1,3 0,2 0,4 0,3 0,3 0,3 0,7 18 11 0,6 1,0 5,9 2,9 2,9 2,0 1,3 0,2 0,4 0,3 0,3 0,3 0,7 18 12 0,4 236,6 4,4 2,6 44,1 1,3 0,2 0,6 0,3 0,2 0,7 0,2 0,7 13 0,5 12,0 13,0 1,9 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0													1.3
6 0,9 1,5 12.5 4.1 2.0 1.7 0.4 0.3 0.2 0.3 0.6 0 0 7 0.9 1.0 10.6 3.8 2.2 2.3 0.4 0.2 0.3 0.2 0.3 0.2 0.6 0 0 8 0.9 0.8 6.9 3.2 1.5 1.3 0.4 0.3 0.2 0.3 0.2 0.6 0 0 10 0.8 0.8 0.8 7.1 2.8 2.0 1.3 0.2 0.4 0.3 0.3 0.3 0.7 10 10 0.8 0.8 0.8 7.1 2.8 2.0 1.3 0.2 0.4 0.3 0.3 0.3 0.7 10 11 0.6 0.7 0.8 0.8 0.8 7.1 2.8 2.0 1.3 0.2 0.4 0.3 0.3 0.3 0.7 13 11 0.6 1.0 5.9 2.9 2.0 1.3 0.2 0.5 0.3 0.3 0.3 0.7 13 11 0.4 0.4 236.6 0.4 0.5 0.4 0.4 0.5 0.5 0.3 0.3 0.7 13 13 0.2 0.4 0.4 0.3 0.3 0.3 0.7 13 13 0.2 0.4 0.4 0.3 0.4 0.3 0.3 0.7 13 13 0.2 0.4 0.4 0.3 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4													0.5
7 0.9 1.0 10.6 3.8 2.2 2.3 0.4 0.2 0.3 0.2 0.6 0.8 8 0.9 3.2 1.9 1.9 0.4 0.1 0.3 0.3 0.2 0.6 0.6 0.9 3.2 1.9 1.9 0.4 0.1 0.3 0.3 0.7 18 0.8 0.8 0.8 0.8 7.1 2.8 2.8 1.5 2.3 0.3 2.3 0.3 0.3 0.3 0.7 18 0.8 0.8 0.8 7.1 2.8 2.6 1.5 2.3 0.3 0.2 0.4 0.3 0.3 0.3 0.7 18 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	5	1.5	11.2	6.0	4.2	2.2	1.7	0.4	0.1	0.2	0.5	0.6	0.6
8 0.9 0.8 6.9 3.2 1.9 1.9 0.4 0.1 0.3 0.3 0.3 0.7 10 0.8 0.9 0.7 15.5 2.8 1.5 2.3 0.3 2.3 0.3 0.3 0.7 18 0.8 7.1 2.8 2.6 1.3 0.2 0.4 0.3 0.3 0.3 0.7 18 0.8 7.1 2.8 2.6 1.3 0.2 0.4 0.3 0.3 0.3 0.7 18 0.3 0.3 0.3 0.7 18 0.8 0.8 7.1 2.8 2.6 0.1 1.3 0.2 0.4 0.3 0.3 0.3 0.7 18 0.3 0.3 0.3 0.7 18 0.3 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	6												0.8
9 0.9 0.7 5.5 2.8 1.5 2.3 0.3 0.3 0.3 0.3 0.7 18 10 0.8 0.8 7.1 2.6 2.0 1.3 0.2 0.4 0.3 0.3 0.3 0.7 18 11 0.6 1.0 5.9 2.9 2.9 2.0 1.3 0.2 0.6 0.3 0.3 0.3 0.7 18 12 0.6 236.6 4.4 2.6 44.1 1.3 0.2 0.6 0.3 0.2 0.7 3 13 0.5 1.2 0 31.5 2.1 20.5 1.1 0.2 0.6 0.3 0.2 0.7 3 14 3.0 1.9 5.9 1.9 2.6 41.1 0.2 0.4 0.3 0.2 0.7 13 15 1.5 1.4 5.7 1.9 1.5 1.3 0.2 0.4 0.3 0.2 0.7 2.0 0.8 2 15 1.5 1.4 5.7 1.9 1.5 1.3 0.2 0.2 0.2 0.3 0.2 0.7 2.0 0.8 2 17 0.7 0.6 3.2 1.9 1.9 1.5 1.3 0.2 0.2 0.2 0.3 0.2 0.8 2 17 0.7 0.6 3.2 1.9 1.2 2.6 0.1 0.2 0.5 0.3 0.2 0.8 2 18 0.6 0.6 0.6 3.4 2.0 1.2 2.6 0.1 0.2 0.5 0.3 0.8 1 19 0.4 0.8 0.8 3.4 6.2 2.0 1.2 31.2 0.1 0.2 0.3 0.3 0.8 1 20 0.2 13.7 4.5 2.5 1.8 1.7 0.2 0.2 0.3 0.3 1.2 1 21 0.6 1233.1 4.7 25.9 1.8 1.7 0.2 0.2 0.2 0.3 0.4 0.7 1 22 106.2 381.5 4.7 3.0 1.3 0.9 0.1 0.2 0.2 2.0 0.3 0.7 1 22 106.2 381.5 4.7 3.0 1.3 0.9 0.1 0.4 0.2 0.2 0.3 0.4 0.7 1 23 36.8 30.7 4.7 32.4 1.0 0.8 0.8 0.3 0.1 0.2 0.6 0.7 1 25 26.5 0 0.3 0.4 4.7 32.4 1.0 0.8 0.8 0.3 0.1 0.2 0.6 0.7 1 26 3.8 42.1 12.5 1.7 2.3 0.7 1.8 0.1 0.2 0.2 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7													0.9
10 0.6 1.0 5.9 2.9 2.0 1.3 0.2 0.4 0.3 0.3 0.7 3 11 0.6 1.0 5.9 2.9 2.0 1.3 0.2 0.5 0.3 0.3 0.7 3 11 0.6 236.6 3.9 2.6 44.1 1.3 0.2 0.5 0.3 0.3 0.2 0.7 3 12 0.5 236.6 3.5 2.6 44.1 1.3 0.2 0.6 0.3 0.3 0.2 0.7 3 13 0.5 236.6 3.5 2.6 44.1 1.3 0.2 0.6 0.3 0.2 0.7 3 14 3.0 1.9 5.9 2.9 2.6 1.1 0.2 0.2 0.2 0.3 0.2 0.8 2 15 1.5 1.4 5.7 1.9 1.5 1.3 0.2 0.2 0.2 0.3 0.2 0.8 2 16 0.6 0.8 3.9 1.9 1.9 2.6 1.1 0.2 0.2 0.2 0.3 0.2 0.8 2 17 0.7 0.6 3.2 1.9 1.2 1.3 178.5 0.1 0.2 0.2 0.3 0.3 0.2 0.8 2 18 0.6 0.6 3.2 1.9 1.9 1.3 178.5 0.1 0.2 0.7 0.3 0.8 2 19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 0.3 0.3 1.2 0 19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 0.2 1.2 0.3 0.3 1.2 0 19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 0.2 1.2 0.3 0.3 1.2 0 20 0.2 13.7 4.5 2.5 1.8 1.7 0.2 0.2 0.2 2.8 0.3 0.7 1 21 0.6 1233.1 4.7 25.9 1.8 1.7 0.2 0.2 0.2 0.2 0.3 0.3 0.7 1 22 106.2 381.5 4.7 25.9 1.8 1.1 0.9 0.1 0.4 0.2 0.6 0.7 0.3 1.2 2 23 36.4 30.7 4.7 25.4 1.0 0.8 0.3 0.1 0.4 0.7 1 24 620.0 10.6 4.6 4.6 0.2 2.9 0.7 7.5 0.1 0.1 0.2 0.6 0.7 0.7 0.2 1.2 2 25 26.5 8.3 80.4 2.4 8.2 0.7 1.8 0.1 0.2 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7													0.7
11													18.8
12 0.4 236.6 4.4 2.6 44.1 1.3 0.2 0.6 0.3 0.2 0.7 2 14 3.0 1.9 5.9 1.9 2.6 1.1 0.2 0.4 0.3 0.2 0.7 2 14 3.0 1.9 5.9 1.9 2.6 1.1 0.2 0.4 0.3 0.2 0.7 2 15 1.5 1.4 5.7 1.9 1.5 1.3 0.2 0.2 0.2 0.3 0.2 0.8 2 16 0.8 0.8 3.9 1.9 1.3 178.5 0.1 0.2 0.2 0.3 0.2 0.8 2 17 0.7 0.6 3.2 1.9 1.2 2.6 0.1 0.2 0.3 0.3 0.2 0.8 2 18 0.6 0.6 3.4 2.0 1.2 31.2 0.1 0.2 0.3 0.3 0.3 1.2 0 19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 0.3 0.3 0.3 1.2 0 19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 0.3 0.3 0.3 1.2 0 19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 0.2 0.3 0.3 0.7 1 20 0.2 13.7 4.5 2.5 1.4 1.7 0.2 0.2 0.2 0.3 0.3 0.7 1 21 0.6 1233.1 4.7 25.9 1.4 1.1 0.2 0.2 0.5 0.3 0.7 1 22 1 0.6 2 1381.5 4.7 3.0 1.3 0.9 0.1 0.4 0.7 1 22 1 0.6 2 1381.5 4.7 3.0 1.3 0.9 0.1 0.4 0.2 0.6 0.7 1 23 36.4 30.7 4.7 32.4 1.0 0.8 0.3 0.1 0.2 0.6 0.7 1 24 620.0 10.6 4.6 4.6 0.0 24.9 0.7 7.5 0.1 0.2 0.6 0.7 0.6 0.7 1 25 26.5 8.3 80.4 2.4 8.2 0.7 1.8 1.1 0.2 0.2 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	10	0.8	0.8	7.1	2.8	2.0	1.3	0.2	0.4	0.3	0.3	0.7	3.4
13	11	0.6	1.0	5.9	2.9								1.5
14 3.0 1.9 5.9 1.9 2.6 1.1 0.2 0.2 0.3 0.2 0.8 25 16 0.8 0.8 3.9 1.9 1.3 178.5 0.1 0.2 0.2 0.3 0.2 0.8 25 16 0.8 0.8 3.9 1.9 1.3 178.5 0.1 0.2 0.2 0.3 0.2 0.8 25 17 0.7 0.6 3.2 1.9 1.2 2.6 0.1 0.2 0.5 0.3 0.3 0.8 1 18 0.6 0.6 3.4 2.0 1.2 31.2 0.1 0.2 0.3 0.3 1.2 0.1 1 19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 1.2 0.3 0.3 1.2 1 20 0.2 13.7 4.5 2.5 1.8 1.7 0.2 0.2 0.2 1.2 0.3 0.3 1.2 1 20 0.2 13.7 4.5 2.5 1.8 1.7 0.2 0.2 0.2 1.2 0.3 0.3 0.7 1 21 0.6 1233.1 4.7 25.9 1.8 1.1 0.2 0.2 0.2 0.3 0.3 0.7 1 22 106.2 381.5 4.7 3.0 1.3 0.9 0.1 0.4 0.2 0.6 0.7 1 23 36.4 30.7 4.7 3.0 1.3 0.9 0.1 0.4 0.2 0.6 0.7 1 24 620.0 10.6 4.6 4.6 4.0 24.9 0.7 7.5 0.1 0.1 0.2 0.6 0.7 0.2 1 25 26.5 8.3 80.4 2.4 8.2 0.7 1.8 0.1 0.2 0.6 0.7 0.7 0.2 1 26 3.8 42.1 12.5 1.7 2.3 0.7 0.8 0.3 0.3 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	12	0.4	236.6						0.6				3.5
15 1.5 1.4 5.7 1.9 1.5 1.3 0.2 0.2 0.3 0.2 0.8 25 16 0.0 0.0 0.0 0.8 1.5 1.5 1.3 0.2 0.1 0.2 0.7 0.3 0.2 0.8 25 17 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													2.0
16 0.0 0.8 3.9 1.9 1.3 178.5 0.1 0.2 0.7 0.3 0.8 2 17 0.7 0.6 3.2 1.9 1.2 2.6 0.1 0.2 0.7 0.3 0.8 2 18 0.6 13.7 4.5 2.5 1.8 1.7 0.2 0.2 0.2 0.3 0.3 1.2 0.8 20 0.2 13.7 4.5 2.5 1.8 1.7 0.2 0.2 0.2 0.3 0.3 0.7 1 21 0.6 1233.1 4.7 25.9 1.8 1.7 0.2 0.2 0.2 0.3 0.4 0.7 1 21 0.6 1233.1 4.7 25.9 1.8 1.7 0.2 0.2 0.2 0.3 0.4 0.7 1 22 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1													2.7
17	15	1.5	1.4	5.7	1.9	1.5	1.3	0.2	0.2	0.3	0.2	0.8	25.5
18 0.6 0.6 0.6 3.4 2.0 1.2 31.2 0.1 0.2 0.3 0.3 1.2 19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 1.2 10.3 1.2 19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 1.2 10.2 13.7 4.5 2.5 1.4 1.7 0.2 0.2 0.2 2.8 0.3 0.7 1 1 2 1 0.6 123.1 4.7 2.5 1 0.6 123.1 4.7 2.5 1 0.6 123.1 4.7 10.2 0.2 0.2 0.2 0.3 0.4 0.7 1 1 2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 123.1 4.7 2.2 1 0.6 0.3 0.1 0.2 0.6 0.7 1 0.2 1 0.6 0.7 1 0.2 1 0.6 0.7 1 0.2 1 0.6 0.7 1 0.2 1 0.6 0.7 1 0.2 1 0.6 1 0.7 1 0.2 1 0.2 1 0.6 0.7 1 0.2 1 0.6 1 0.7 1 0.2 1 0.2 1 0.6 1 0.7 1 0.2 1 0.6 1 0.7 1 0.7 1 0.6 1 0.7 1 0.				3.9	1.9								2.
19 0.4 89.4 6.2 2.0 1.3 4.3 0.2 0.2 1.2 0.3 1.2 1.2 0.3 1.2 1.2 0.3 0.7 1 1.2 0.2 0.2 13.7 4.5 2.5 1.4 1.7 0.2 0.2 0.2 12.8 0.3 0.7 1 1.2 1 0.6 123.1 4.7 25.9 1.4 1.7 0.2 0.2 0.2 1.8 0.3 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.6 0.7 1 1.2 1 0.7 1													1.2
20 0.2 13.7 4.5 2.5 1.4 1.7 0.2 0.2 2.8 0.3 0.7 1 21 0.6 1233.1 4.7 25.9 1.8 1.1 0.2 0.2 0.2 2.8 0.3 0.4 0.7 1 22 10.6 1233.1 4.7 25.9 1.8 1.1 0.2 0.2 0.2 0.3 0.4 0.7 1 23 10.6 1233.1 0.7 1.3 0.9 0.2 0.2 0.3 0.4 0.7 1 24 620.0 10.6 4.6 1.4 0.2 0.9 0.8 0.8 0.3 0.1 0.1 0.2 0.6 0.7 1 25 26.5 8.3 80.4 2.4 8.2 0.7 1.8 0.1 0.1 0.6 0.7 0.0 26 3.8 42.1 12.5 1.7 2.3 0.7 0.3 8.7 5.5 0.7 0.7 0.7 0.2 1 27 2.4 10.3 5.5 1.9 1.0 0.9 0.2 1.5 5.0 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0													0.9
21													1.1
22 106.2 381.5 4.7 3.0 1.3 0.9 0.1 0.4 0.2 0.6 0.7 1 23 36.8 30.7 4.7 32.4 1.0 0.8 0.3 0.1 0.2 0.6 0.7 0 24 620.0 10.6 4.6 4.0 24.9 0.7 7.5 0.1 0.1 0.2 0.6 0.7 0 25 26.5 8.3 80.4 2.4 8.2 0.7 1.8 0.1 0.2 0.6 0.7 0 26 3.8 42.1 12.5 1.7 2.3 0.7 0.3 8.7 5.5 0.7 0.7 0.7 0 27 2.4 10.3 5.5 1.9 3.0 0.9 0.2 1.5 0.9 0.7 0.7 0.3 8.7 0.2 0.6 0.7 0.7 0 28 1.7 8.6 5.2 1.9 2.5 0.8 0.2 0.4 0.4 0.6 0.8 0.2 0.4 0.6 0.8 0.8 0.8 0.8 0.8 0.4 0.4 0.6 0.8 0.8 0.2 0.4 0.4 0.6 0.8 0.8 0.8 0.8 0.2 0.4 0.4 0.6 0.8 0.8 0.8 0.8 0.2 0.4 0.4 0.6 0.8 0.8 0.8 0.8 0.2 0.4 0.4 0.6 0.8 0.8 0.8 0.8 0.8 0.2 0.4 0.4 0.6 0.8 0.8 0.8 0.8 0.2 0.4 0.4 0.6 0.8 0.8 0.8 0.8 0.2 0.4 0.4 0.6 0.8 0.8 0.8 0.8 0.8 0.2 0.4 0.8 0.8 0.8 0.8 0.8 0.2 0.4 0.8 0.6 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	20	0.2	13.7	4.5	2.5	1.4	1.7	0.2	0.2	2.8	0.3	0.7	1.2
23 36.8 30.7 4.7 32.4 1.0 0.8 0.3 0.1 0.2 0.6 0.7 0 25 26.5 0.1 0.6 4.6 4.0 24.9 0.7 1.8 0.1 0.2 0.6 0.7 0 25 26.5 8.3 80.4 2.1 17.7 2.3 0.7 0.3 8.7 5.5 0.7 0.7 0.7 26 3.8 42.1 12.5 1.7 2.3 0.7 0.3 8.7 5.5 0.7 0.7 0.7 27 2.4 10.3 5.5 1.9 3.0 0.9 0.2 1.5 0.9 0.7 0.7 0.7 28 1.7 8.6 5.2 1.9 3.0 0.9 0.2 1.5 0.9 0.7 0.7 0.7 0.7 28 1.7 8.6 5.2 2.2 0.5 0.8 0.2 0.4 0.2 0.6 0.8 0.3 30 0.8 4.8 2.5 2.2 0.5 0.2 0.4 0.3 0.6 0.7 0.8 31 0.5 4.3 2.5 2.2 0.5 0.2 0.4 0.3 0.6 0.7 0.8 31 0.5 4.3 2.5 2.2 0.5 0.2 0.4 0.3 0.6 0.7 0.8 31 0.5 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5													1.1
26 620,0 10.6 4.6 7.0 24.9 0.7 7.5 0.1 0.1 0.6 0.7 0 25 26.5 8.3 80.4 2.4 8.2 0.7 1.8 0.1 0.1 0.6 0.7 0 26 3.8 42.1 12.5 1.7 2.3 0.7 0.3 8.7 5.5 0.7 0.7 0.7 27 2.4 10.3 5.5 1.9 3.0 0.9 0.2 1.5 0.9 0.7 0.7 0.7 28 1.7 8.6 5.2 1.9 2.5 0.8 0.2 0.4 0.8 0.6 0.8 0.7 0.7 0.7 29 1.1 11.9 2.1 2.1 2.1 0.6 0.2 0.4 0.4 0.6 0.8 0.8 0.2 0.1 0.3 0.8 0.8 0.2 0.4 0.6 0.8 0.8 0.8 0.2 0.4 0.4 0.6 0.8 0.8 0.8 0.2 0.4 0.4 0.2 0.4 0.													1.0
26 3.8 42.1 12.5 1.7 2.3 0.7 0.3 8.7 5.5 0.7 0.7 0.7 0 26 3.8 42.1 12.5 1.7 2.3 0.7 0.3 8.7 5.5 0.7 0.7 0.7 0 27 2.4 10.3 5.5 1.9 3.0 0.9 0.2 1.5 0.9 0.7 0.7 0.7 0 28 1.7 8.6 5.2 1.9 2.5 0.8 0.2 0.4 0.4 0.6 0.8 0.9 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1													0.9
26 3.8 42.1 12.5 1.7 2.3 0.7 0.3 8.7 5.5 0.7 0.7 0.7 27 27 2.4 17 0.6 1.7 0.3 1.7 0.3 1.7 0.3 1.7 0.3 1.7 0.3 1.7 0.3 1.7 0.3 1.7 0.4 1.7 0.4 1.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0													0.9
27 2.4 10.3 5.5 1.9 3.0 0.9 0.2 1.5 0.9 0.7 0.7 0.7 28 1.7 8.6 5.2 1.9 2.5 0.8 0.2 0.4 0.4 0.4 0.6 0.8 0.9 29 1.1 19.9 2.1 2.1 0.6 0.2 0.4 0.2 0.6 0.9 0.9 0.3 0.8 4.8 2.5 2.2 0.5 0.2 0.4 0.3 0.6 0.6 0.7 0.0 31 0.5 4.3 2.2 0.5 0.1 0.3 0.6 0.7 0.0 0.8 1.2 0.4 0.3 0.6 0.7 0.0 0.8 1.2 0.4 0.3 0.6 0.7 0.0 0.8 1.2 0.5 0.5 0.2 0.4 0.3 0.6 0.7 0.0 0.8 1.2 0.5 0.5 0.5 0.2 0.4 0.3 0.6 0.7 0.0 0.0	25	26.5	8.3	80.4	2.4	8.2	0.7	1.8	0.1	0.2	0.6	0.7	0.8
28 1.7 8.6 5.2 1.9 2.5 0.8 0.2 0.4 0.4 0.6 0.8 0.2 0.1 1.1 11.9 2.1 2.1 0.6 0.2 0.4 0.4 0.6 0.8 0.8 0.3 0.8 0.2 0.4 0.2 0.4 0.2 0.6 0.9 0 0.3 0.8 0.8 0.2 0.4 0.2 0.4 0.2 0.6 0.9 0 0.3 0.6 0.7 0 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	26			12.5	1.7	2.3		0.3					0.7
29 1.1 11.9 2.1 2.1 0.6 0.2 0.4 0.2 0.6 0.9 0 30 0.8 4.8 2.5 2.2 0.5 0.2 0.4 0.3 0.6 0.7 0 31 0.5 4.3 2.2 0.5 0.1 0.3 0.6 0.7 0 288 26.499 75.855 9.619 5.155 4.802 8.359 0.537 0.627 0.606 0.391 0.703 2. CRES 0.858 2.217 0.311 0.161 0.155 0.262 0.017 0.020 0.019 0.013 0.032 0.													0.8
30 0.8 4.8 2.5 2.2 0.5 0.2 0.4 0.3 0.6 0.7 0 31 0.5 4.3 2.2 5.0 1.1 0.3 0.6 0.7 0 NB 26.499 75.855 9.619 5.155 4.802 8.359 0.537 0.627 0.606 0.391 0.703 2.2 LBS 0.858 2.217 0.311 0.161 0.155 0.262 0.017 0.020 0.019 0.013 0.022 0.			8.6										0.7
31 0.5 4.3 2.2 0.1 0.3 0.6 0 AN 26.499 75.856 9.619 5.155 4.802 8.359 0.537 0.627 0.606 0.391 0.703 2. CHES 0.858 2.217 0.311 0.161 0.155 0.262 0.017 0.020 0.019 0.013 0.022 0.													0.7
Table 26.499 75.856 9.619 5.155 4.802 8.359 0.537 0.627 0.606 0.391 0.703 2. CRES 0.858 2.217 0.311 0.161 0.155 0.262 0.017 0.020 0.019 0.013 0.022 0.					2.5	2.2	0.5			0.3		0.7	0.8
CHES 0.858 2.217 0.311 0.161 0.155 0.262 0.017 0.020 0.019 0.013 0.022 0.	31	0.5		4.3		2.2		0.1	0.3		0.6		0.9
													2.53
A AV 0.727 1.133 1.119 0.839 0.506 0.215 0.219 0.238 0.276 0.105 0.410 0.		0.858 0.727	2.217	0.311 1.119	0.161	0.155 0.506	0.262 0.215	0.017 0.219	0.020	0.019 0.276	0.013	0.022	0.08

BOTES: To convert discharge in CFS to IM/DAT, multiply by 0.0010439. Quality of records: Good, estimated to be within 10% of actual. STA AV based on 15 yr (1957-71) record period.

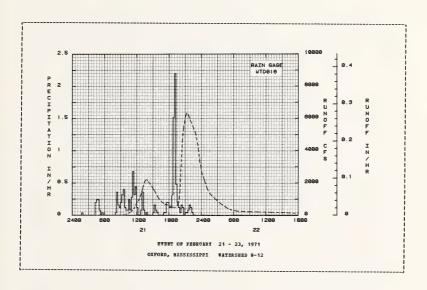
971 SELECT	ED RUNO	P EVENT				OFRODD WI	SSISSIPP		SHED W-12	
ANTECEDENT				RA	BFALL Intensity			RUNC		Acc.
	nches)				(in/hr)	(inches)	Ho-Day	of Day		(inches)
			999		RUARY 21 -	22 1071				
			444			23, 1971				
	TD016			RG WIDO						
2-21	0.0	0.001	2-21	145	0.0	0.0	2-21	456	5.347	0.0
				200	0.0400			638	6.000	0.0004
				215 230	0.0	0.01		812 830	6.691	0.0008
				400	0.0002	0.01			8.615 12.160	0.0009
WATERSHED COM	DISTORE.			400	0.0	0.01		846	12.160	0.0010
About 17% in c				415	0.0	0.01		900	12,750	0.0011
primarily cott	ultivat;	On,		430	0.2000	0.06		914	16.710	0.0012
beans, ryegras	ou, cor	to fair		445	0.2400	0.00		922	17.440	0.0012
cover provided				500	0.2400	0.18		934	27.808	0.0015
1970 crop: 28%	is pass	are rros		515	0.0800	0.10		948	35.046	0.0013
idle land, fai				5.5	0.0000	0110		340	33:040	0.0010
47% in woods,	good cor	er: 1%		530	0.0	0.20		1004	57.505	0.0023
in bare qullie				545	0.0400	0.21		1014	73,350	0.0028
,				600	0.0	0.21		1030	121.813	0.0039
				730	0.0	0.21		1046	172.290	0.0056
				745	0.0005			1100	242.326	0.0077
					010005				2421520	010077
				800	0.0009	0.21		1114	295,736	0.0104
				815	0.0400	0.22		1128	402.000	0.0139
				B30	0.3600	0.31		1140	500.000	0.0178
				845	0.1600	0.35		1150	635,000	0.0219
				900	0.1200	0.38		1208	838.000	0.0315
				915	0.2000	0.43		1220	898.000	0.0390
				930	0.3200	0.51		1234	1018.000	0.0487
				945	0.4000	0.61		1240	1137.999	0.0534
				1000	0.1200	0.64		1250	1347.999	0.0624
				1015	0.0800	0.66		1306	1631.998	0.0797
				1030	0.0800	0.68		1318	1869.998	0.0949
				1045	0.2400	0.74		1330	2097.998	0.1122
				1100	0.0800	0.76		1338	2177.997	0.1246
				1115	0.2800	0.83		1348	2201.997	0.1405
				1130	0.6800	1.00		1400	2161.997	0.1595

Date	ENT CONDIC	Runoff	Date	Time	NPALL Intensity	Acc.	Date	RUNC Time	Rate	Acc.
No-Day	(inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)		of Day	(cfs)	(inches)
				PEBRUARY		1971 (CON				
			2-21	1145 1200	0.3200	1.08	2-21	1414 1432	2065.682	0.1809
				1215	0.4400	1.19 1.22		1452	1932.996 1736.998	0.2336
				1230	0.0	1.22		1518	1526.997	0.2644
				1245	0.0	1.22		1522	1470.261	0.2687
				1300	0.0800	1.24		1534	1347,999	0.2810
				1315	0.3600	1.33		1550	1180,000	0.2957
				1330 1345	0.0800	1.35		1616 1644	976.000	0.3160
				1400	0.0400	1.35		1702	802.000 741.360	0.3340
				1415	0.0007	1.36		1716	680.000	0.3513
				1430	0.0007	1.36		1742	645.000	0.3638
				1445	0.0007	1.36		1810	560.000	0.3760
				1500 1515	0.0	1.36		1820 1838	550.000	0.3869
				1530 1545	0.1600	1.41		1852 1908	484.797 494.632	0.3919
				1600	0.0400	1.44		1914	499.638	0.3998
				1615 1630	0.0	1.44		1932 1948	615.000 856.000	0.4071
				1645	0.0	1.44		1954		
				1700	0.0	1.44		1954 2002	1060.000	0.4198
				1715	0.0400	1.44		2008	2273.998	0.4354
				1730 1745	0.0400	1.46		2030 2042	4629.984 5331.977	0.4905 0.5338
				1800 1815	0.2000	1.56 1.59		2048 2054	5547.969 5763.973	0.5574
				1830	0.1200	1.62		2104	6114.984	0.6251
				1845	0.3200	1.70		2118	6339.984	0.6883
				1900	1.5200	2.08		2132	6276.973	0.7523
				1915 1930	2.2000	2.63		2148	6042-973	0.8237
				1930	0.4800	2.75 2.80		2158	5862.977 5691.977	0.8669
				2000	0.1200	2.83		2238	5340.977	1.0303
				2015	0.0400	2.84		2304	4953,977	1.1273
				2030	0.1600	2.88		2318	4476.977	1.1751
				2045	0.1200	2.91		2332	3945.993	1.2179
				2100 2115	0.0	2.91		2346	3257.997 3081.997	1.2545
				2130	0.0400	2.93		2400	2857.997	1.2858
				2145	0.0800	2.95	2-22	14	2505.997	1.3130
				2200	0.1600	2.99		32	2241.997	1.3440
				2215 2230	0.1200	3.02		48 102	1960.682 1729.999	1.3684
				2245	0.0	3.03		118	1505.837	1.4059
				2300	0.0	3.03		138	1335.999	1.4265
				2300	0.0	3.03		200	1197.999	1,4467
								228	1060.000	1.4696
								300 330	892.000 735.593	1.4922
								358 430	625.000 509.760	1.5237 1.5369
								456	412.187	1.5456
								516 542	371.982 319.000	1.5513
								630 724	256.384	1.5678
								808	225.826	1.5847
								842	225.826 217.752	1.5902
								928	209.695	1.5973
								1014	204.291	1.6042
								1100 1200	196.104 187.953	1.6109
								1246	180.000	1.6254
								1330	169.760	1.6310
								1500	159.840	1.6418
								1632 1800	132.000 117.905	1.6515
								1800 2100	117.905 95.808	1.6595
								2400	68.432	1.6841
							2-23	356	46.269	1.6939
								710	38.184	1.6998
								1342	24.000	1.7086
								1802 2104	16.710	1.7124

NOTES: To convert runoff in CFS to IN/BE, multiply by 0.0000435. Thiessem weighted storm rainfall, rain gages 4 thru 9, 13, 15, 18 thru 20, 25, 29 thru 31 and 33. For 30-day antecedent P and Q, see tables on pp. 62.004-1 and 2.

1971 SELECTED RUBOFF EVERT		C	MFORD, MI	SSISSIPPI	WATERS	ED W-12	i
ANTECEDENT CONDITIONS	RAI	WPALL			RUNOFI		
Date Rainfall Bunoff Bo-Day (inches) (inches)	Date Time	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
		(32) 12)	(110165)			(CIS)	
	EVEST OF PEBRUARY	21 - 23. 1	971 (COE	TINUED)			!
i			(002	110000,			i
					2400	11.590	1.7160

HOTES: To convert runoff in CFS to IM/BR, multiply by 0.0000435. Thiessen weighted storm rainfall, rain gages 4 thru 9, 13, 15, 18 thru 20, 25, 29 thru 31 and 33. For 30-day antecedent P and 0, see tables on pp. 62.004-1 and 2.



OXFORD, MISSISSIPPI WATERSHED W-17

LOCATION: Harshall Co., Hiss.; 7.8 mi. SW of Holy Springs on County road; Pigeon Boost Creek Watershed, Yazoo River Basin.

AREA: 32100.00 acres 50.20 sq. miles

210	PLETEC	PRECIP	ITATION	AND RUNOP	F (inche	s)		OXE	ORD, MIS	SISSIPP	WATER	SHPD W-	17	
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Hov	Dec	Annual
1971	P Q	4.37 1.176	6.21 2.572	3.64 0.595	3.28 0.405	3.50 0.442	3.74 0.554	2.53 0.274	3.58 0.388	3.46 0.466	0.52 0.292	1.92 0.254	4.67 0.334	41.43 7.753
STA AV	P Q	3.76 1.054	4.84 1.473	4.79 1.480	4.96 1.182	4.24 0.807	3.25 0.414	3.90 0.447	3.96 0.514	4.26 0.482	2.39 0.296	4.15 0.663	5.27 1.129	49.76 9.939
	ANNU	Maxi	BUB	HARGE (in			aximum '	Volume fo	r Selecti	ed Time	Interval			
		Disch Date		1 Hour Date Vol		Wol.	6 Ho		2 Hours te Vol.		Day Vol.	2 Day Date V		Days e Vol.
1971		2-21	0.184	2-21 0.1	83 2-21	0.363	2-21	0.878 2-	21 1.25	5 2-21	1.617	2-21 1	705 2-1	9 1.972
						HAXIHUHS	FOR PE	RIOD OF B	ECORD					
		2-23 1962	0.210	2-23 0.2 1962	10 2-23 1962		2-23 1962		23 1.50	12- 3 1964		3-25 2 1965	.390 3-2	

NOTES: Watershed conditions: About 18% in cultivation (cotton, corn, soyheans and ryegrass), fair cover November to March, poor cover April and May improving to good by mid-ally; 28% in pasture and idle land, good cover November to March, poor cover April and May improving to good to be contaged of total area in various land use categories are based on the latest surveys completed 1970-71. About 191 of drainage area above small desilting and retention dams. For map of watershed, see Hydrologic Data for Experience mental Agricultural Watersheds in the United States, 1956-59, SDM Biss. Php. 945, p. 62.5-5. Monthly precipitation Thiessen weighted from 21 rain gages. Precipitation and runoff records began Jan. 1957. For long-time precipitation records, see Mational Weather Service records at Bolly Springs, 8%, Mississippi.

197	1 D	AILY PREC	IPITATION	(inches)			OX FORD,	, HISSISS:	IDDI RY	IERSHED W	- 17	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.59	0.0	0.25	0.0	0.0	0.10	0.0	0.0	0.0
2	0.0	0.0	0.18	0.0	0.03	0.0	0.0	0.01	0.44	0.0	0.03	0.4
3	0.25	0.11	0.06	0.0	0.0	0.0	0.0	0.04	0.00	0.0	0.0	0.4
4	0.35	0.74	0.0	0.0	0.0	0.0	0.0	0.05	0.00	0.02	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.08	0.00	0.43	0.0	0.1
8	0.0	0.0	0.33	0.0	0.0	0.09	0.07	0.45	0.01	0.0	0.37	0.2
7	0.0	0.10	0.0	0.0	0.19	0.38	0.0	0.00	0.15	0.0	0.0	0.0
В	0.0	0.09	0.0	0.0	0.00	0.09	0.0	0.00	0.02	0.0	0.0	0.0
9	0.0	0.0	0.19	0.0	0.0	0.0	0.06	0.67	0.0	0.0	0.05	1.2
10	0.0	0.0	0.20	0.0	0.26	0.0	0.0	0.09	0.0	0.0	0.0	0.0
11	0.02	0.00	0.0	0.0	0.15	0.0	0.0	0.19	0.00	0.0	0.0	0.0
12	0.0	1.08	0.0	0.0	1.68	0.0	0.0	0.0	0.0	0.0	0.0	0.4
13	0.00	0.0	0.45	0.03	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.58	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.3
15	0.0	0.0	0.18	0.0	0.0	0.04	0.0	0.0	0.0	0.00	0.0	0.5
16	0.0	0.0	0.0	0.0	0.0	1.86	0.0	0.01	0.71	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
18	0.0	0.0	0.46	0.11	0.0	0.71	0.0	0.00	0.0	0.0	0.72	0.0
19	0.0	0.78	0.0	0.0	0.0	0.0	0_04	0.00	1.12	0.0	0.05	0.1
20	0.0	0.0	0.0	1.08	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0
21	0.30	2.80	0.0	0.30	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
22	1.18	0.0	0.01	0.11	0.0	0.0	0.0	0.30	0.0	0.0	0.02	0.0
23	0.43	0.0	0.0	0.68	0.0	0.0	0.26	0.0	0.0	0.02	0.13	0.0
24	1.18	0.0	0.0	0.0	0.89	0.0	1.45 0.32	0.0	0.0	0.05	0.0	0.0
25	0.0	0.01	1.14	0.0	0.0	0.0	0.32	0.0	. 0. 00	0.0	0.0	0.0
26	0.0	0.50	0.0	0.0	0.0	0.0	0.03	1.31	0.84	0.0	0.0	0.0
27	0.07	0.0	0.0	0.0	0.25	0.15	0.0	0.0	0.01	0.0	0.0	0.0
28	0.0	0.0	0.41	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.56	0.0
29	0.0		0.05	0.21	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0	0.18	0.0	0.0	0.1/	0.11	0.0	0.0	0.0	0.4
	0.0				0.0			V- 25				
AL	4.37	6.21	3.64	3.28	3.50	3.74	2.53	3.58	3.46	0.52	1.92	4.6
AV	3.76	4.84	4.79	4.96	4.24	3.25	3.90	3.96	4.26	2.39	4.15	5.2

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-4C (p.62.001-1). Daily precipitation values Thiesmen weighted from rain gages 2, 4 thru 9, 13 thru 15, 17 thru 20, 22, 25, 28 thru 31 and 33. STA AV based on 15 yr (1957-71) record periods.

197	1	MEAN DAIL	Y DISCHARG	E (cfs)				, mississ	IPPI WAS	BESSED W-	-17	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	13.4	14.8	19.2	31.0	12.7	12.4	10.7	12.9	14.1	60.2	11.1	11.3
2	13.4	14.8	21.0	33.8	12.7	12.2	10.7	12.9	14.3	11-1	11.1	11.8
3	13.6	14.8	20.7	16.8	12.5	12.0	10.7	12.9	14_4	11.1	11.1	17.4
4	27.7	61.7	18.6	14.3	11.8	12.0	10.7	12.9	13.1	11.1	11.1	12.7
5	16.3	58.0	18.2	13.8	11.6	12.0	10.7	12.9	12.7	11.1	11.1	12.0
6	14.3	19.1	33.7	13.8	11.3	10.5	10.7	13.3	12.4	11.1	11.1	11.6
7	14.3	15.9	22.5	13.8	11.3	10.1	10.5	14.1	12.4	11.1	11.1	11.3
8	14.3	15.3	18.3	13.8	11.8	9.1	10.3	12.9	12.4	11.1	11.1	11.1
9	14.1	15.1	17.6	13.8	12.0	10.0	10.3	25.9	12.2	11.1	11.1	44.5
10	13.8	15.3	25.2	13.8	13.4	8.9	10.7	14.5	11.8	11.1	11.1	15.1
11	13.6	16.1	18.6	13.8	13.6	8.7	11.1	13.6	11.3	11.1	11.1	11.6
12	13.4	349.9	17.0	13.8	85-6	8.7	11.1	13.9	10.9	11.1	11.1	14.6
13	13.6	56.5	58.6	13.8	73.5	8.9	11.3	12.9	10.7	11.1	11.1	10.9
14	20.3	22-2	19.5	13.8	16.8	8.9	11.6	12.9	10.7	11.1	11.1	12.0
15	16.2	18.0	18.1	13.4	14.1	8.9	11.6	12.9	10.3	11.1	11.1	62.1
16	13.6	15.9	15.1	12.9	12,9	362.3	11.6	12.9	10.5	11.1	11.1	11.8
17	13.4	15.3	14.1	12.9	12.7	27.6	11.6	12.9	10.7	11.1	11.1	11.8
18	13.1	15.3	15.7	12.9	13.1	55.4	11.6	12.9	10.3	11-1	11.1	11.6
19	12.7	138.8	22.0	12.9	13.4	26.0	11.6	12.9	13.7	11.1	13.5	10.9
20	12.7	42.8	15.6	14.4	13.4	12.5	11.6	12.9	18.3	11.1	12.0	10.7
21	14.4	1557.9	14.6	62.3	13.4	10-7	11.6	12.9	11.8	11.1	11.6	10.7
22	178.1	724-7	14.3	10.0	13.4	9.9	11.6	12.9	12.0	11.1	11.6	10.7
23	78.4	56.8	14.3	66.2	13.6	10.1	13.0	12.9	12.0	11.1	11.6	10.7
24	861.1	28.9	14.1	18.2	51.2	10.1	26.0	12.9	12.0	11.1	11.6	10.7
25	53.9	23.6	167.3	13.9	38.2	9.9	14.4	12.2	11.8	11.1	11.6	10.7
26	22.5	93.7	34.0	12.7	13.4	10.5	12.0	111.4	27.6	11.1	11.6	10.7
27	16.7	27.1	20.0	12.4	12.9	12.5	12.0	22.4	13.1	11.1	11.3	10.7
28	15.9	20.7	20.0	12-2	12.9	13.4	12.0	12.7	60.6	11.1	12.5	10.7
29	15.9	_ ,	41.6	12-2	12.7	12-0	12.0	12.2	110.1	11.1	12.7	11.3
30	15.9		17.8	12.7	12.2	10.9	12.5	12.5	110.1	11.1	11.3	14.0
31	15.3		15.3		12.2		12.9	12.4		11.1		13.1
BEAR	51. 15	123.90	25.89	18.22	19.23	24.90	11.94	16.88	20.95	12.70	11.43	14.59
INCHES	1.176	2,572	0.595	0.405	0.442	0.554	0-274	0.388	0.466	0.292	0.254	0.334
STA AV	1-054	1.473	1-480	1-182	0.807	0.414	0.447	0.514	0.482	0.296	0.663	1.129

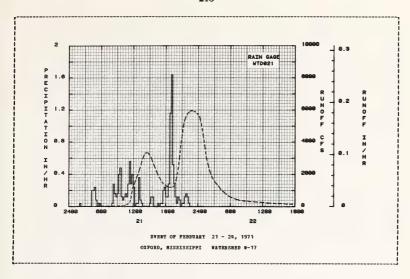
NOTES: To convert discharge in CFS to IN/DAY, multiply by 0.0007415. Quality of records: Good, estimated to be within 10% of actual. STA AV based on 15 yr (1957-71) record period.

71 S	ELECTED RUNO	PP EVENT				OXFORD, MI	SSISSIPP	E WATER	SBED W-17	
ARTEC	EDENT CONDI	TIONS		RA	CHPALL			BURC		
Date Bo-Day	Rainfall (inches)			Time of Day	Intensity (in/hr)				Rate (cfs)	Acc. (inches)
				WM ON BRD	RUARY 21 -	28 4074				
			272	HI OF FEE	10AB1 21 -	24, 19/1				
	RG WTD021			RG WTD						
2-21	0.0	0.004	2-21	145	0.0	0.0	2-21	502	24.814	0.0
				200	0.0	0.0		602	28.313	0.0008
				215	0.0400	0.01		728	29.232	0.0021
				230	0.0004	0.01		830	28.313	0.0030
				400	0.0	0.01		900	30.163	0.0035
	CONDITIONS									
	of area in			415	0.0	0.01		928	32.050	0.0039
	rimarily cot			430	0.2000	0.06		950	40.792	0.0043
corn, soy	beans and ry	egrass,		445	0.2000	0.11		1000	47.984	0.0045
	ir cover pr			500	0.2400	0.17		1014	62,375	0.0049
	from 1970;			515	0.0800	0.19		1030	77.760	0.0055
pasture an	nd idle land	, fair to								
loog coasi	r; 48% in wo	ods, good		530	0.0	0.19		1046	112.606	0.0063
	in bare gul	lies;		545	0.0400	0.20		1102	153.553	0.0074
% urban.				600	0.0	0.20		1116	245.938	0.0088
				730	0.0	0.20		1130	351.135	0.0110
				745	0.0003	0.20		1148	975.918	0.0171
				800	0.0006	0.20		1152	1103.999	0.0192
				815	0.0400	0.21		1158	1217,999	0.0228
				830	0.2807	0.28		1216	1463.999	0.0352
				845	0, 1600	0.32		1234	1763.999	0.0502
				900	0.1200	0.35		1250	1985.999	0.0656
				915	0.1600	0.39		1304	2213.997	0.0807
				930	0.4000	0.49		1318	2453.999	0.0975
				945	0.4800	0.61		1336	2819.997	0.1219
				1000	0. 1200	0.64		1348	3041.998	0.1400
				1015	0.0800	0.66		1402	3215.998	0.1626
				1030	0.1200	0.69		1412	3311.997	0.1794
				1045	0.1600	0.73		1428	3353,995	0.2069
				1100	0.1200	0.76		1440	3335.995	0.2276
				1115	0.2800	0.83		1502	3191-996	0.2646
				1130	0.5600	0.97		1518	3017.997	0.2902

NOTES: To convert runoff in CFS to IM/HB, wmltiply by 0.0000309. Thiessen weighted storm rainfall, rain gages 2, 4 thru 9, 13 thru 15, 17 thru 20, 22, 25, 28 thru 31 and 33. For 30-day antecedent F and Q, see tables on pp. 62.005

		P EVENT				OFFORD, H				
	ainfall	Runoff	Date	Time	WPALL Intensity	Acc.	Date	RUNO Time	Rate	Acc.
Bo-Day (inches)	(inches)	Bo-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			EVENT OF	FEBRUARY	21 - 24,	1971 (CO)	TINUED)			
			2-21	1145	0.2800	1.04	2-21	1534	2783.995	0.3141
				1200	0.4000	1.14		1550	2555.996	0.3361
				1215	0.2400	1.20		1604 1618	2369.997	0.3539
				1245	0.0400	1.20		1636	2159.998 1950.000	0.3702 0.3892
				1300	0.0400	1.22		1650	1787.999	0.4027
				1315 1330	0.3600	1.31		1706 1718	1655.999 1517.999	0.4169
				1345	0.0400	1.34		1734	1421.999	0.4388
				1400	0.0	1.34		1756	1320.000	0.4543
				1415	0.0005	1.34		1818	1241.999	0.4688
				1430 1445	0.0005	1.34		1844 1902	1200.000	0.4851
				1500	0.0	1.34		1918	1217.999	0.5061
				1515	0.0400	1.35		1934	1283.999	0.5164
				1530 1545	0.1198 0.1200	1.38		1944 1948	1367.999 1463.999	0.5232 0.5261
				1600	0.0	1.41		2004	1835.999	0.5397
				1615	0.0	1.41		2018	2303.995	0.5546
				1630	0.0	1.41		2034	3041.998	0.5766
				1645 1700	0.0400	1.42		2046 2104	3800.716 4470.457	0.5977
				1715	0.0400	1.43		2116	4997.242	0.6652
				1730 1745	0.0400	1.44		2122 2130	5159.812 5345.609	0.6809 0.7026
				1800	0.2400	1.55		2146	5575.289	0.7476
				1815	0-1200	1.58		2204	5788.336	0.8003
				1830 1845	0.1200 0.2800	1.61		2224	5883.734 5940.695	0.8604
				1900	1. 1600	1.97		2300	5960.133	0.9704
				1915	1.6400	2.38		2316	5889.984	1.0192
				1930 1945	0.5200	2.51 2.58		2328 2346	5896.215 5782.793	1.0556
				2000	0.2800	2.58		2400	5711.297	1. 1097
				2015	0.0400	2.62	2-22	16	5570.457	1.1976
				2030 2045	0.1200	2.65 2.67		30 46	5290.609 4813.930	1.2368
				2100	0.0800	2-67		102	4269.984	1.3158
				2115	0.0400	2.68		120	3545.998	1.3520
				2130	0.0400	2.69		134	2993.998	1.3756
				2145 2200	0.1200 0.1600	2.72		154 208	2567.996 2255.997	1.4042
				2215	0.1200	2.79		222	2033.996	1.4216
				2230	0.0400	2.80		236	1830.000	1.4510
				2245	0.0	2.80		250	1685.999	1.4637
				2300	0.0	2.80		306 334	1547.999 1343.999	1.4770
								348	1265.999	1.5073
								416 448	1043.638	1.5240
								518	750-500	1,5525
								548	625,000	1,5631
								618	537.000	1.5721
								704 748	448.568 372.895	1.5838 1.5931
								848	335.895	1.6040
								950 1104	306.163 272.312	1.6142
								1216	243.352	1.6252
								1332	202.056	1.6435
								1426	190.063	1.6490
								1530 1634	183.000 153.553	1.6551
								1732	143.168	1.6650
								1856	126.112	1.6708
								2036	118.000 105.974	1.6771
								2320	104.336	1.6864
							2-23	2400 600	97.568 73.290	1.6885
							- 47	1202	50.656	1.7159
								1502	45.408	1.7204
								1932	34.888	1.7260
							2-24	2400 2400	33.000	1.7307 1.7521

NOTES: To convert runoff in CFS to IB/BB, multiply by 0.0000309. Thiessen weighted storm rainfall, rain gages 2, 4 thro 9, 13 thru 15, 17 thru 20, 22, 25, 28 thru 31 and 33. For 30-day antecedent P and Q, see tables on pp. 62.005 -1 and 2.



OXFORD, MISSISSIPPI WATERSHED W-24

LOCATION: Marshall Co., Miss.; 2.2 mi. SW of Holly Springs on County road; Little Sand Ditch, Pigeon Roost Creek Ratershed, Yazoo River Basin.

AREA: 512.00 acres

50	HTHL	Y PRECIP	ITATION	AND RU	NOPP (inches	5)		c	MFORD,	HISS:	ISSIPPI	WATE	RSHED	W-24		
		Jan	Feb	Har	Ap	r	Hay	Jun	Jul	Λu	, :	Sep	0ct	Hov	De	С .	Annual
	P	4.32	6.58	3.91	3.	61	3,65	4.24	2.84	1.5	99 :	3.83	0.46	1.99	4.	92	12.35
1971	Q	0.932	1.981	0.92	3 0.	189	0.077	0.133	0.006	0.0) (0.043	0.0	0.00	2 0.	116	4.402
STA AV	P	3.78	4.95	4.87	4.	96	4.31	3.20	3.90	3.6	54 4	4. 14	2,38	4 - 15	5.	26	19.55
	Q	1.075	1.499	1.37	5 1.	352	0.597	0.143	0.181	0.2	293 (0.228	0.125	0.49	9 1.	026	8,394
	ABRU	UAL MAXI	MUM DIS	CHARGE	(in/hr) AND	MAXIMUM	VOLUMI	S OF RU	NOPP	(inche:	s) FOR	SELECTE	D TIME	INTER	VALS	
	AHH	Haxi	e pa				8	aximum	Volume	for Se	lecte	d Time	Interva	1			
	ABRE		aus arge	THARGE 1 Ho	ur	2 B	8	aximum 6 Ho	Volume urs	for Se	lecte	d Time		1 2 D	INTER	8	Days
1971	ABH	Maxi Disch	mus arge Rate	1 Ho Date	ur Vol.	2 B Date	lours	aximum 6 Hc Date	Volume urs Vol.	for Se 12 Ho Date	elected ours Vol.	d Time 1 Date	Interva Day Vol.	1 2 D Date	ays Vol.	8 Date	Vol.
1971	ABBI	Maxi Disch Date	mus arge Rate	1 Ho Date	ur Vol.	2 B Date 2-21	Nours Vol.	aximum 6 Rc Date 2-21	Volume urs Vol.	for Se 12 Ho Date 2-21	elected ours Vol.	d Time 1 Date	Interva Day Vol.	1 2 D Date	ays Vol.	8 Date	Vol.
1971	ABNU	Maxi Disch Date	mus arge Rate	1 Ho Date	ur Vol.	2 B Date 2-21	iours Vol.	aximum 6 Rc Date 2-21	Volume urs Vol.	for Se 12 Ho Date 2-21	elected ours Vol.	d Time 1 Date	Interva Day Vol.	1 2 D Date	ays Vol.	8 Date	Vol.

ROTES: Watershed conditions: About 4% in cultivation (corn), fair cover Bovember to Barch, poor cover April and Hay improving to good by mid-July; 13% in pasture and idle land, good cover April to October with fair cover remainder of year; 6% in woods, good cover; 1% in bare gullies; 1% clay pit. Percentages of total area warious land use retestion dams. For many of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, 053h Misc. Pub. 945, p. 62.7-4. Boothly precipitation Theses weighted for ratin gages 4 and 30. Precipitation and zumoff records began Jan. 1957. For long-time precipitation records, see Mational Weather Service records at Bolly Springs, 4%, dississippi.

1971	D	AILY PREC	IPITATION	(inches)			OXPORD	, MISSISS	IPPI WA	TERSEED W	-24	
Day	Jan	Peb	Bar	apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.65	0.0	0.22	0.0	0.0	0.03	0.0	0.0	0.0
2	0.0	0.0	0.22	0.0	0.01	0.0	0.0	0.05	0.58	0.0	0.0	0.45
3	0.22	0.11	0.11	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.52
4	0.36	0.66	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.04	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.28	0.0	0.15
6	0.0	0.0	0.39	0.0	0.0	0.28	0.08	0.43	0.0	0.0	0.36	0.21
7	0.0	0.19	0.0	0.0	0.20	0.27	0.0	0.0	0.09	0.0	0.0	0.03
8	0.0	0.18	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.19	0.0	0.0	0.0	0.00	0.19	0.0	0.0	0.04	1.32
10	0.0	0.0	0.18	0.0	0.15	0.0	0.0	0.19	0.0	0.0	0.0	0.01
11	0.04	0.0	0.0	0.0	0.16	0.0	0.0	0.05	0.0	0.0	0.0	0.0
12	0.0	1.13	0.0	0.0	1.78	0.0	0.0	0.0	0.0	0.0	0.0	0.49
13	0.0	0.0	0.48	0.04	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.04
14	0.43	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.32
15	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66
16	0.0	0.0	0.0	0.0	0.0	1.83	0.0	0.0	0.74	0.0	0.0	0.05
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.49	0.09	0.0	1.00	0.0	0.0	0.0	0.0	0.73	0.0
19	0.0	0.84	0.0	0.0	0.0	0.0	0.07	0.0	1.22	0.0	0.06	0.12
20	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
21	0.32	2-97	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1.40	0.0	0.0	0.03	0.0	0.0	0.0	0.45	0.0	0.0	0.02	0.0
23	0.48	0.0	0.0	0.86	0.0	0.0	0.63	0.0	0.0	0.0	0.16	0.0
24	0.53	0.0	0.0	0.0	1.05	0.0	1, 52	0.0	0.0	0.14	0.0	0.0
25	0.0	0.0	1.16	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0
26	0.0	0.51	0.0	0.0	0.0	0.0	0.0	0.47	1.12	0.0	0.0	0.0
27	0.55	0.0	0.0	0.0	0.21	0.06	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.46	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.63	0.05
29	0.0		0.06	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.18	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.50
31	0.0		0.0		0.0		0.0	0.04		0.0		0.0
TOTAL	4.32	6.58	3.91	3.61	3.65	4.24	2.84	1.99	3.83	0.46	1.99	4.92
STA AV	3.78	4.95	4.87	4.96	4.31	3.20	3.90	3.64	4.14	2.38	4.15	5.26

HOTES: For daily air temperatures in the vicinity, see table for Watershed W-4C (p.62.001-1). Daily precipitation values Thiessen weighted from rain gages 4 and 30. STA AV based on 15 yr (1957-71) record period.

19	71	REYN DYIT	Y DISCHAR	SE (cfs)			OXFORD	, MISSISS	IPPI WA	IBRSHED W	-24	
Da y	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	0.0	0.0	1.099	0.658	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.845	0.775	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.768	0.509	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.254
4	0.0	0.933	0.579	0.346	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.736	0.391	0.266	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	1.059	0.164	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	1.197	0.114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.320	0.923	0.114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.923	0.048	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.304
10	0.0	0.0	0.845	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.079	0.697	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	3.851	0.627	0.0	1.189	0.0	0.0	0.0	0.0	0.0	0.0	0.183
13	0.0	0.115	0.627	0.0	0.185	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.509	0.0	0.034	0.0	0.0	0.0	0.0	0.0	0.0	0.06
15	0.0	0.0	0.311	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.68
16	0.0	0.0	0.231	0.0	0.0	1.724	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.231	0.0	0.0	0.034	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.231	0.0	0.0	1.031	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.796	0.203	0.0	0.0	0.065	0.0	0.0	0.094	0.0	0.0	0.0
20	0.0	0.203	0.153	0.088	0.0	0.0	0.0	0.0	0.157	0.0	0.0	0.0
21	0.0	22.393	0.131	0.278	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	5.460	4.888	0.114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	1.934	1.479	0.048	0.697	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	11.414	1.275	0.048	0.0	0.096	0.0	0.134	0.0	0.0	0.0	0.0	0.0
25	0.992	1.099	2.194	0.0	0.151	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.199	1.585	1.479	0.0	0.0	0.0	0.0	0.0	0.671	0.0	0.0	0.0
27	0.048	1.591	0.951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	1.275	0.627	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.036	0.0
29	0.0		0.627	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.627	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.563		0.0		0.0	0.0		0.0		0.0
EAH	0.6467	1.5221	0.6407	0.1353	0.0534	0.0951	0.0043	0.0	0.0307	0.0	0.0012	0.080
NCHES	0.932	1.981	0.923	0.189	0.077	0.133	0.006	0.0	0.043	0.0	0.002	0.1
TA AV	1.075	1.499	1.375	1.352	0.597	0.143	0.181	0.293	0.228	0.125	0.499	1.02

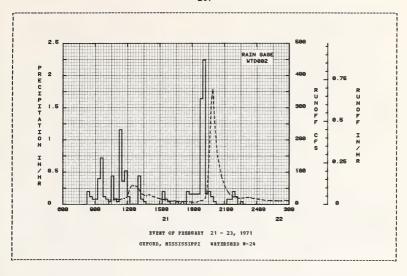
NOTES: To convert discharge in CFS to IB/DAY, multiply by 0.046488. Quality of records: Poor, estimated to be within 20% of actual. STA AV based on 15 yr (1957-71) record period.

971 SE	LECTED RUBO	PP BVBWT				OXFORD, MI	SSISSIPP:	I WATERS	HBD W-24	
	DENT CONDI	TIONS		RA	BPALL			RUBOP		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Ho-Day	of Day	Intensity (in/hr)	(inches)	Mo-Day	of Day	Rate (cfs)	Acc. (inches)
			RAR	NT OF PER	RUARY 21 -	23, 19/1				
	RG WTD002			BG WTD						
2~21	0.15	0.003	2-21	815 830	0.0	0.0	2-21	1016 1020	0.097 7.975	0.0
				845	0.2000	0.05		1024	13.533	0.0005
				900	0.1200	0.08		1030	14.962	0.0019
				915	0.0800	0.10		1046	12.620	0.0047
WATERSHED	CONDITIONS:			915	0.0000	0.12		1046	12.620	0.0110
	f area in c			930	0-4000	0.22		1054	17-481	0_0157
	marily corn			945	0.7200	0.40		1100	17.481	0.0191
air cover	provided by	v residue		1000	0.1200	0.43		1110	14.962	0.0243
rom 1970	сгор; 13% ії	n pasture		1015	0.0800	0.45		1118	14.476	0.0281
nd idle 1	and, fair to	p good		1030	0.0400	0.46		1130	16.971	0.0342
	in bare qui			1045	0.4400	0.57		1182	18.497	0-0411
% in clay		rren,		1100	0.0800	0.59		1146	18-497	0.0435
w ru oraj	Pace			1115	0.0400	0.60		1156	20.952	0.0499
				1130	1. 1600	0.89		1202	25.136	0.0544
				1145	0.3600	0.98		1212	43.336	0.0655
				1200	0.5200	1.11		1220	53.900	0.0781
				1215	0.1200	1.14		1228	59.438	0.0927
				1230	0.0	1.14		1234	56.695	0.1040
				1245	0.0	1,14		1238	58.068	0.1114
				1300	0.0	1.14		1248	56.695	0.1299
				1315	0.4400	1.25		1256	53.200	0.1441
				1330	0.0800	1.27		1314	38.938	0.1709
				1345	0.0400	1.28		1322	31.800	0.1800
				1400	0.0	1.28		1338	26.938	0.1952
				1515	0.0	1.28		1348	25.726	0.2037
				1530	0.2000	1.33		1350	27.552	0.2054
				1545	0.0800	1.35		1358	30.000	0.2128
				1600	0.0400	1.36		1408	28.168	0-2222
				1615	0.0	1.36		1422	24.559	0.2341
				1630	0.0	1.36		1454	18.497	0.2563

BOTES: To convert runoff in CFS to IM/BR, multiply by 0.001937. Thiessen weighted storm rainfall, rain gages 4 and 30. For 30-day antecedent P and 0, see tables on pp. 62.007-1 and 2.

SELEC	TED RUBOI	PP EVENT				OXFORD, H	SSISSIPP	I WATERS	HED W-24	
				RAI	NPALL			RUNOF		
Date E Mo-Day (infall inches)	Runoff (inches)	Date Mo-Day	Time of Day	NPALL Intensity (in/hr)	Acc.	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	PEBRUARY	21 - 23,	1971 (CO)	TINUED)			
			2-21	1645	0.0400 0.0 0.0400 0.0	1.37	2-21	1516	14.962 14.962 12.173 9.600 9.600	0.2682
				1700	0.0	1.37		1522	14.962	0.2711
				1715	0.0400	1.37		1534	12.173	0.2764
				1730	0.0			1554	9.600 9.600	0.2834
				1745	0.2000	1.43		1620	9.600	0.2915
				1800	0.1600	1.47		1622	10.864	0.2922
				1815	0.1600	1.51		1630	10.864	0.2950
				1830	0.1600	1.55		1640	9.187	0.2982
				1040	0.1600	1.51 1.55 1.59 2.00		1712	10.864 9.187 8.778 7.581	0.3075
				1900	1.6400	2.00		1734	7.581	0.3133
				1915	2.2400	2.56		1758	6.810	
				1930 1945	0.1600 0.2000 0.1200	2.60 2.65		1826	6.063	0.3247
				2000	0.2000	2.65		1836	9.187	0.3272
				2015	0.1200	2.68 2.69		1904	9.187 10.864 13.074	0.3304
				2030	0.0	2.69		1914		0.3425
				2045	0.0	2.69		1924	37.768	0.3516
				2100	0.0 0.0 0.0 0.0800	2.69		1934	122,995	0.3776
				2115	0.0	2.69		1946	296.800 330.399	0.4589
				2130	0.0800	2.71		1950	330.399	0.4994
				2145	0.0800	2.73		1956	357.719	0.5659
				2200	0.2000	2.78			333.600	
				2215	0.1200	2.81		2006	257.800	
				2230 2245	0.0	2.81		2020	159.600 87.000	0.7591
					0.0400	2.82		2044	87.000	0.8546
				2300	0.0	2.82		2102	58.068	0.8968
								2118 2130	41.359 31.200	0.9225
								2144	26.328	
								2156	22.426	0.9590
								2226	18.497	0.9788
								2240	19.495	0.9874
								2252	20.468	0.9951
								2302	20.952	
								2316	21.928	1.0115
								2326	20.952	1.0184
								2348	17.481	1.0320
								2400	16.971	1.0387
							2-22	18 48	15.456 12.620	1.0481
								128		1.0774
								204	11.731 11.295	1.07/4
								210	10.864	1.0929
								222	12.173	1.0974
								234	12.620	1.1022
								308	11.295	1.1153
								400	8.778	1.1153 1.1321 1.1504
								506	8.374	1.1504
								558	6.434	1.1628
								726		1.1795
								910	4.270	1.1956 1.2068 1.2185 1.2377
								1042	3.268	1.2068
								1244	2.671	1.2185
								1638 2014	2.400 1.908	1.2377
									1, 908	1, 2527
								2400		1.2658
							2-23	2400	1.275	1.3346

NOTES: To convert runoff in CFS to IM/HE, multiply by 0.001937. Thiessen weighted storm rainfall, rain gages 4 and 30. For 30-day antecedent P and Q, see tables on pp. 62.007-1 and 2.



OXFORD, BISSISSIPPI WATERSHED W-28

LOCATION: Marshall Co., Miss.; 2.3 mi. SW of Holly Springs on State Highway No. 7; Walkers Bottom Creek, Pigeon Boost Creek Watershed, Yazoo River Basin.

AREA: 1080.00 acres 1.69 sq. miles

	Dater	1 PRECIE	TIBILON	ARD RUNU	PF (inche:	5)		UX	FORD, HIS	PETPRINE	AVJE	KORED I	#-∠d		
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Annual
1971	P Q	4.28 0.262	7.07 2.250	3.66 0.162	3.37 0.016	3.79 0.011	2.89 0.006	2.93 0.000	2.36	2-59 0-0	0.59	1.65 0.0	4.5 0.0		39.69 2.709
TA AV	P Q	3.71 0.339	4.86 0.636	4.72 0.497	4.79 0.349	4.12 0.158	3.26 0.056	3.82 0.108	3.67 0.214	4.32 0.189	2.52 0.091	4.12 0.188			49.14 3.203
	ANNO			HARGE (in	n/hr) AND								INTERV	ALS	
	ANN	Maxi Disch Date	mum arge	1 Hour Date Vo	2 1		axinum	Volume furs	or Select 12 Bours ate Vol.	ted Time		1 2 Da	INTERV Tys Vol.	8	Days Vol.
1971	AHN	Haxi Disch	mum arge Eate	1 Hour Date Vo	2 1	Hours Vol.	aximum 6 Ho Date	Volume f urs Vol. D	or Select 12 Bours ate Vol	ted Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Date	₹ol.
1971	AHBU	Maxi Disch Date	mum arge Eate	1 Hour Date Vo	2 l 1. Date 628 2-21	Bours Vol.	aximum 6 Ho Date	Volume f urs Vol. D	or Select 12 Hours ate Vol.	ted Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Date	₹ol.

NOTES: Watershed conditions: About 9% in cultivation (cotton, soyheans and corm), fair cover Movember to March, poor cover April and May improving to good by mid-Joly; 26% in pasture and idle land, good cover April to October various land use categories are based on the latest survey completed in 1971. About 58% of drainage area above small desilting and retention dams. For map of watershed, see Hydrologic Data for Experimental Apricultural Watersheds in the United States, 1956-59, USDA Misc. Pab. 98%, p. 62.8-5. Monthly precipitation Thiesesn weighted from cain gages 5, 6 and 7. Precipitation and rumoff records began Jam. 1957. For long-time precipitation records, see Mational Weather Service records at Boily Springs, W.M. Mississippi.

1971	D.	ALLY PREC	PITATION	(inches)			OXPORD	, MISSISS	LPPI WA	IBRSHED W-	-28	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.60	0.0	0.19	0.0	0.0	0.05	0.0	0.0	0.0
2	0.0	0.0	0.17	0.0	0.04	0.0	0.0	0.0	0.19	0.0	0.05	0.43
3	0.23	0.11	0.05	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.47
4	0.39	0.72	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.05	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.46	0.0	0.16
6	0.0	0.0	0.30	0.0	0.0	0.13	0.21	0.11	0.0	0.0	0.33	0.23
7	0.0	0.10	0.0	0.0	0.19	0.40	0.0	0.0	0.00	0.0	0.0	0.02
8	0.0	0.10	0.0	0.0	0.0	0.42	0.0	0.05	0.01	0.0	0.0	0.0
9	0.0	0.0	0.19	0.0	0.0	0.0	0.03	0.46	0.0	0.0	0.05	1.15
10	0.0	0.0	0.20	0.0	0.33	0.0	0.0	0.42	0.0	0.0	0.0	0.08
11	0.02	0.0	0.0	0.0	0.20	0.0	0.0	0.10	0.0	0.0	0.0	0.0
12	0.0	1.05	0.0	0.0	1.72	0.0	0.0	0.0	0.0	0.0	0.0	0.36
13	0.01	0.0	0.55	0.00	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.03
14	0.74	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.42
15	0.0	0.0	0.16	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.50
16	0.0	0.0	0.0	0.0	0.0	1.33	0.0	0.0	0.70	0.0	0.0	0.04
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.45	0.02	0.0	0.25	0.0	0.01	0.0	0.0	0.50	0.0
19	0.0	0.66	0.0	0.0	0.0	0.0	0.03	0.01	1.08	0.0	0.04	0.11
20	0.0	0.0	0.0	0.94	00	0.0	0.0	0.0	0.06	0.0	0.0	0.0
21	0.28	3.80	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.96	0.0	0.0	0.02	0.0	0.0	0.0	0.17	0.0	0.0	0.02	0.0
23	0.39	0.0	0.0	0.99	0.0	0.0	0.07	0.0	0.0	0.05	0.13	0.0
24	1.27	0.0	0.0	0.0	0.99	0.0	1.84	0.0	0.0	0.03	0.0	0.0
25	0.0	0.02	1.15	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0
26	0.0	0.49	0.0	0.0	0.0	0.0	0.06	0.40	0.50	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.25	0.06	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.39	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.53	0.05
29	0.0		0.05	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
30	0.0		0.0	0.20	0.0	0.0	0.19	0.04	0.0	0.0	0.0	0.43
31	0.0		0.0		0.0		0.0	0.31		0.0		0.0
TOTAL	4.28	7.07	3.66	3.37	3.79	2.89	2.93	2.36	2.59	0.59	1.65	4.53
STA AV	3.71	4.86	4.72	4.79	4.12	3.26	3.82	3.67	4.32	2.52	4.12	5.23

BOTES: For daily air temperatures in the vicinity, see table for Watershed W-MC (p.62.001-1). Daily precipitation values Thiessen weighted from raim gages 5, 6 and 7. STA AV based on 15 yr (1957-71) record period.

197	71	WEAR DAIL	Y DISCHAR	GE (cfs)			OXFORD	, MISSISS	IPPI 1	ATERSHED W	-28	
Day	Jan	Feb	Bar	Apr	Вау	Jun	Jul	Aug	Sep	0ct	How	Dec
1	0.0	0.0	0.683	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.546	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.331	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.194	0.270	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.032	0.194	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.149	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.169	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.009	0.169	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.118	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.065	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	00	2.492	0.107	0.0	0.188	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.468	0.513	0.0	0.038	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.300	0.152	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.300	0.115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.115
16	0.0	0.300	0.115	0.0	0.0	0.251	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.300	0.132	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.300	0.149	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	1.239	0.149	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.362	0.149	0.032	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	69.931	0.149	0.192	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	18.926	0.107	0.032	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	2.472	0.032	0.463	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	10.404	1.235	0.0	0.0	0.272	0.0	0.005	0.0	0.0	0.0	0.0	0.0
25	0.846	0.848	1.705	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.169	0.848	0.741	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.132	0.848	0.214	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0,115	0.683	0.032	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.090		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.090		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.057		0.0		0.0		0.0	0.0		0.0		0.0
BAN	0.3840	3.6461	0.2366	0.0240	0.0161	0.0084	0.0002	0.0	0.0	0.0	0.0	0.003
HCHES	0.262 0.339	2-250	0.162	0.016	0.011	0.006	0.000	0.0	0.0	0.0	0.0	0.00

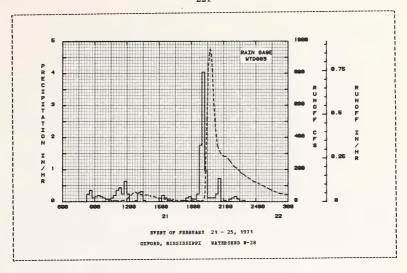
NOTES: To convert discharge in CFS to IM/DAY, multiply by 0.0220387. Quality of records: Poor, estimated to be within 20% of actual. STA AV based on 15 yr (1957-71) record period.

3 NT PC PD P	NT CONDI				RPALL			RUNOP	v	
	Bainfall	Runoff	Date		Intensity	Acc.	Date	Time	Rate	Acc.
Ho-Day	(inches)	(inches)	No-Day	of Day	(in/hr)		No-Day	of Day	(cfs)	
			EVE	NT OF PEBE	UARY 21 -	25, 1971				
RG	WTD003			RG WTDO	103					
2-21	0.26	0.002	2-21	600	0.0	0.0	2-21	600	0.967	0.0
				800	0.0	0.0		618	0.967	0.0003
				815	0.0	0.0		638	0.967	0.0006
				830	0.2390	0.06		654	2.783	0.0011
				845	0.3600	0.15		746	1,503	0.0028
ATERSHED C										
out 9% of				900	0.1200	0.18		756	2.213	0.0031
tion, prim				915	0.1600	0.22		854	1.503	0.0047
ybeans and	COID, poo	or to		930	0.2000	0.27		918	2.213	0.0054
ir cover p	rowided by	resi-		945	0.1600	0.31		928	2.783	0.0058
e from 197				1000	0.1200	0.34		948	2.783	0.0067
sture and										
good cove				1015	0.0800	0.36		1002	4.200	0.0074
od coast:	2% in bare	€		1030	0.0800	0.38		1018	5.070	0.0085
llies.				1045	0.1200	0.41		1026	7.109	0.0092
				1100	0.2000	0.46		1034	7.109	0.0101
				1115	0.3600	0.55		1038	5.547	0.0105
				1130	0-4400	0.66		1046	7.109	0.0113
				1145	0-2400	0.72		1104	6.047	0.0131
				1260	0.6400	0.88		1108	5.547	0.0135
				1215	0.2400	0.94		1114	6.569	0.0141
				1230	0.0	0.94		1130	7,109	0.0158
				1245	0.0	0.94		1146	9.992	0.0179
				1300	0.0400	0.95		1200	16.000	0.0207
				1315	0.2796	1.02		1214	30.808	0.0257
				1330	0.3200	1.10		1232	49.472	0.0368
				1345	0.0400	1. 11		1236	54.464	0.0400
				1500	0.0	1.11		1248	60.000	0.0505
				1515	0.0	1.11		1302	49.472	0.0622
				1530	0.2000	1.16		1316	44.504	0.0723
				1545	0.1200	1.19		1328	42.032	0.0802
				1600	0.0400	1.20		1358	42.032	0.0995

NOTES: To convert runoff in CFS to IB/BB, multiply by 0.0009183. Thiessen weighted storm rainfall, rain gages 5, 6 and 7. For 30-day antecedent P and Q, see tables on pp. 68.008-1 and 2.

						OXPORD, HI			SBED W-28	
ANTECEDERS	compit cinfall	Runoff	Date	BAI Time	BPALL Intensity	Acc.	Date	EUEC:	PP Rate	Acc.
	nches)	(inches)	Bo-Day	of Day	(in/hr)	(inches)	No-Day	of Day	(cfs)	(inches
				PEBRUARY		1971 (CO				
			2-21	1615 1630	0.0400	1.21	2-21	1410	37.256 32.856	0.1068
				1645	0.0	1.21		1414	32.856	0.1089 0.1170
				1700	0.0	1.21		1456	23.098	0.1281
				1715	0.0	1.21		1514	21.213	0.1342
				1730	0.0400	1.22		1528	16.798	0.1383
				1745	0.1200	1.25		1536	15.236	0.1403
				1800 1815	0.1600	1.29		1606	15.236	0.1473
				1830	0.0800	1.31		1614 1622	11.824 13.120	0.1490 0.1505
				1845	0.2400	1.39		1632	8-813	0.1522
				1900	1.7600	1.83		1714	7.665	0.1575
				1915 1930	4.0400 0.9600	2.84		1758	5.070	0.1618
				1930	0.9600	3.08 3.11		1816	4.621 5.547	0.1631 0.1650
				2000	0.1200	3.14		1846	4.200	0.1654
				2015	0.1200	3. 17 3. 23		1856	5.547	0.1661
				2030	0.2400			1908	8.234	0.1674
				2100	0.7200	3.41		1916 1920	39.608 206.200	0.1703 0.1778
				2115	0.0400	3.42		1928	513.000	0.2218
				2130	0.0	3.42		1932	663.000	0.2578
				2145 2200	0.0800 0.1200	3.44		1934	820.000	0.2806
				2215	0.1600	3.51		1942	930.000 952.500	0.3877 0.4453
				2230	0.0800	3.53		1952	917.500	0.5310
				2245	0.0	3.53		1958	807.500	0.6103
				2300	0.0400	3.54		2006	609.000	0.6970
								2012 2016	513.000 449.000	0.7486 0.7780
								2026	347.000	0.8389
								2032	330.950	0.8701
								2046	298.000	0.9375
								2100 2114	282.698	0.9997 1.0600
								2130	262,300	1,1266
								2146	238.500	1. 1200
								2158	219.800	1.2300
								2214	207.900	1.2824
								2228	192.600	1.3253
								2242	173.900	1.3646
								2250 2306	172.200 156.900	1.3858 1.4261
								2330	139.900	1.4806
								2348	124.600	1.5170
							2 22	2400	121.200	1.5396
							2-22	42 130	97.400	1.6099
								214	50.700	1.7120
								254	43.263	1.7408
								318	40.813	1.7562
								326 334	47.000	1.7616
								346	37.256	1.7742
								404	31.821	1.7837
								410 422	35.000 27.863	1.7868 1.7926
								438	23.098	1.7988
								448	25.950	1.8025
								510	20.287	1.8103
								540	20.287	1.8196
								610 620	16.798 18.492	1.8281
								716	13.120	1.8443
								928	11.824	1.8695
								1504	6.569	1.9168
								1912 2140	5.070 3.808	1.9389
								2400	3.442	1.9568
							2-23	2400	1.503	2.0113
							2-24	2400	0.967	2.0385
							2-25	2400	0.730	2.0572

NOTES: To convert runoff in CFS to IN/MB, multiply by 0.0009183. Thiessen weighted storm rainfall, rain gages 5, 6 and 7. For 30-day antecedent P and Q, see tables on pp. 68.008-1 and 2.



OXPORD, MISSISSIPPI WATERSHED W-32

LOCATION: Marshall Co., Miss.; 4.6 mi. E of Walhill on County road; Cuffava Creek, Pigeon Boost Creek Watershed, Yazoo Biver Basin.

ARBA: 20000.00 acres 31.30 sq. miles

		Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Bow	D€	c	Annual
1971	P Q	4.34 1.458	5.90 2.527	3.83 0.340	3.11 0.058	3.15 0.169	4.24 0.504	2.56 0.000	6.99 0.939	3.09 0.001	0.59	1.98		02 064	44.80 6.060
TA AV	P Q	3.81 1.162	4.89 1.739	4.91 1.752	4.98 1.352	4.58 0.987	3.19 0.221	3.86 0.315	3.90 0.393	4.49 0.441	2.43 0.133	4.26 0.64		37 383	50.66 10.522
	ANN	Baxi	nus		n/hr) AND		aximum	Volume fo	r Select	ed Time	Interva	1			Dave
	ANN	Baxi	nus arge		2		aximum 6 Ho	Volume fo	r Select	ed Time	Interva	1 2 Da	ays	8	Days e Vol.
1971	APRE	Baxi	mus arge Bate	1 Hour Date Vo	2	Hours Vol.	faximum 6 Ho Date	Volume fours 1	or Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Dat	e Ŷol.

NOTES: Vatershed conditions: About 27% in cultivation (cotton, corm, soybeans and ryegrass), fair cover November to Barch, poor cover April and May improving to good by mid-July; 32% in pasture and idel land, good cover April to October tilt fair cover resminder of pears (40% in woods, good cover) Ms in Barce guillen. Percentages of total area in Good to the company of the control of the United States, 1956-59, 950 Miss. Ph. 955, p. 62.10-5. Bonthly precipitation Thiesses weighted from 10 rain gages. Precipitation and runoff records began Jan. 1957. For long-time precipitation records, see Mational Weather Service records at 8018 yespings, 4%, Hississippi.

197	1 D	AILY PREC	IPITATION	(inches)			ONFORD	, MISSISS	IPPI WA	IERSHED W	-32	
Day	Jan	Peb	Bar	λpr	Hay	Jun	Jul	Aug	Sep	0ct	Ho∀	Dec
1	0.0	0.0	0.0	0.62	0.0	0.45	0.0	0.0	0.12	0.0	0.0	0.0
2	0.0	0.0	0.19	0.0	0.01	0.0	0.0	0.0	0.27	0.0	0.02	0.51
3	0.29	0.11	0.06	0.0	0.0	0.0	0.0	0.09	0.05	0.0	0.0	0.51
4	0.33	0.75	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.02	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.01	0.50	0.0	0.18
6	0.0	0.0	0.33	0.0	0.0	0.01	0.13	1.41	0.0	0.0	0.40	0.24
7	0.0	0.09	0.0	0.0	0.21	0.88	0.0	0.09	0.01	0.0	0.0	0.01
8	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
9	0.0	0.0	0.24	0.0	0.0	0.0	0.09	1.25	0.0	0.0	0.06	1.18
10	0.0	0.0	0.21	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.03
11	0.02	0.01	0.0	0.0	0.12	0.0	0.0	0.29	0.0	0.0	0.0	0.0
12	0.0	1.13	0.0	0.0	1.72	0.0	0.0	0.0	0.0	0.0	0.0	0.45
13	0.00	0.0	0.41	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.04
14	0.52	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.42
15	0.0	0.0	0.21	0.0	0.0	0.11	0.0	0.0	0.0	0.00	0.0	0.53
16	0.0	0.0	0.0	0.0	0.0	1.11	0.0	0.01	0.72	0.0	0.0	0.03
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.52	0.18	0.0	1.47	0.0	0.0	0.0	0.0	0.72	0.0
19	0.0	0.79	0.0	0.0	0.0	0.0	0.03	0.0	1.16	0.0	0.06	0.10
20	0.0	0.0	0.0	1.03	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0
21	0.27	2.29	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1.01	0.0	0.07	0.16	0.0	0.0	0.0	0.23	0.0	0.0	0.04	0.0
23	0.42	0.0	0.0	0.44	0.0	0.0	0.18	0.0	0.0	0.06	0.11	0.0
24	1.48	0.0	0.0	0.0	0.40	0.0	1.29	0.0	0.0	0.00	0.0	0.0
25	0.0	0.03	1.16	0.0	0.0	0.0	0.49	0.06	0.01	0.0	0.0	0.0
26	0.0	0.62	0.0	0.0	0.0	0.0	0.01	2.78	0.65	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.35	0.14	0.0	0.0	0.04	0.0	0.0	0.0
28	0.0	0.0	0.40	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.57	0.15
29	0.0		0.03	0.21	0.0	0.06	0.06	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0.18	0.0	0.0	0.15	0.12	0.0	0.0	0.0	0.63
31	0.0		0.0		0.0		0.0	0.24		0.0		0.0
OTAL	4.34	5.90	3.83	3.11	3.15	4.24	2.56	6.99	3.09	0.59	1.98	5.02
TA AV	3.81	4.89	4.91	4.98	4.58	3.19	3.86	3.90	4.49	2.43	4.26	5.37

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-4C (p.62.001-1). Daily precipitation values Thiessem weighted from rain gages 3, 10 thru 14, 20, 21, 24 and 26. STA AV based on 15 yr (1957-71) record period.

19	71	REAR DAIL	T DISCHARG	E (cfs)			OXPORD	, MISSISSI	PPI WAT	ERSHED W-	32	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Boa	Dec
1	0.6	0.2	0.3	5.5	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
2	0.5	0.2	0.1	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.5	0.3	0.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
4	1.8	31.4	0.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.5	29.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
6	0.3	6.4	0.7	0.1	0.0	0.0	0.0	176.9	0.0	0.0	0.0	0.0
7	0.3	2.9	0.9	0.0	0.0	14.8	0.0	29.6	0.0	0.0	0.0	0.0
8	0.3	1.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
9	0.3	1.0	0.0	0.0	0.0	0.0	0.0	30.5	0.0	0.0	0.0	17.0
10	0.3	0.8	1.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.6
11	0.3	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.3	383.3	0.1	0.0	58.1	0.0	0.0	0.0	0.0	0.0	0.0	1.3
13	0.2	21.7	12.6	0.0	44.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	1.3	5.8	1.4	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6
15	4.3	0.4	0.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	31.5
16	3.4	0.1	0.2	0.0	0.1	47.9	0.0	0.0	0.0	0.0	0.0	0.7
17	2.1	0.2	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.9	0.2	0.0	0.0	0.0	326.1	0.0	0.0	0.0	0.0	0.0	0.0
19	0.6	129.0	0.2	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.5	34.1	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
21	0.3	1126.5	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	109.9	261.2	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	100.5	3.9	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	948.7	0.1	0.0	3.7	10.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0
25	25.0	0.1	227.7	0.2	19.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
26	11.1	75.0	20.1	0.0	3.0	0.0	0.0	521.8	0.0	0.0	0.0	0.0
27	4.6	5.9	5.9	0.0	0.0	0.0	0.0	25.6	0.1	0.0	0.0	0.0
28	2.5	1.4	2.4	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
29	1.7		6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.9		3.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.2
31	0.4		1.1		0.0		0.0	1.6		0.0		0.2
BAN	39.514	75.841	9.218	1.631		14.103	0.009	25.466	0.016	0.002	0.002	1.72
HCBES	1.458	2.527	0.340	0.058	0.169	0.504	0.000	0.939	0.001	0.000	0.000	0.06
VA AT	1.162	1,739	1.752	1.352	0.987	0.221	0.315	0.393	0.441	0.133	0.646	1.38

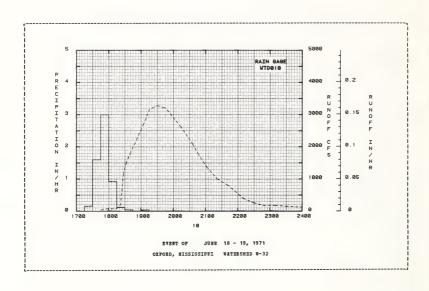
NOTES: To convert discharge in CFS to IM/DAT, multiply by 0.0011901. Quality of records: Good, estimated to be within 10% of actual. STA AV based on 15 yr (1957-71) record period.

A WENT CO	Dane Connt			7.8	TURKET			RUNC	79	
Date	Rainfall	Runoff	Date	Time	INFALL Intensity	Acc.	Date	Time	Rate	Acc.
Ro-Day	(inches)	(inches)	No-Day	of Day		(inches)		of Day	(cfs)	(inches)
			PVP	T OF	JUNE 18 -	19, 1971				
	RG WTD010		212			15, 1571				
6-18	0.0	0.000	6-18	RG WTD	0.0	0.0	6-18	1744	22.188	0.0
0-10	0.0	0.000	0-10	1730	0-1600	0-04	0-10	1750	69-210	0.0002
				1745	1_6000	0.44		1800	78.312	0.0002
				1800	3,0000	1.19		1814	80, 188	0.0008
				1815	0.9200	1.42		1822	187.000	0.0017
mpnenn	CONSTRTONC			1615	0.9200	1.42		1822	107.000	0.0026
				1830	0.1190	1.45		1828	1225,000	0.0061
				1845	0.0400	1.46		1834	1562-498	0.0001
TOH, PI	combosne on	d ruc-		1900	0.0	1.46		1840	1794.060	0-0213
444	ERSHED COMPITIONS: t 27% of area in culti on, primarily cotton, and soyheans, and rye s; 32% in pasture and land, fair to good			1915	0.0400	1-47		1852	2226.998	0.0412
				1930	0.0400	1.47		1906	2749.999	0.0412
ter. and	in woods,	anna a		1530	0.0	1.47		1300	2143.333	0.0700
rer: 1%	in bare gul	1105.		1945	0.0	1.47		1916	3169.997	0.0945
	an Duke yes.			2000	0.0	1.47		1930	3279.997	0.1318
				2000	***			1946	3199.998	0.1746
								2016	2577.837	0.2462
								2036	2091-997	0.2848
								2030	20311337	0.2040
								2046	1794.060	0.3009
								2102	1374,999	0.3218
								2122	1000-000	0.3414
								2144	775.000	0.3575
								2158	575.000	0.3653
								2210	394.000	0.3701
								2230	255.163	0.3755
								2248	175,960	0.3787
								2310	170.560	0.3819
								2330	149.760	0.3845
								2348	130.256	0.3866
								2400	123,313	0.3879
							6-19	44	92.074	0.3918
							- "	146	63, 960	0.3958
								248	44.688	0.3986

HOTES: To convert runoff in CPS to IN/ER, sultiply by 0.0000496. Thiessen weighted storm rainfall, rain gages 3, 10 thru 14, 20, 21, 24 and 26. For 30-day antecedent P and Q, see tables on pp. 62.010-1 and 2.

	ONDITIONS			INPALL			RUBOP		
Date Raini Bo-Day (inch			Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		RVENT OF	7000	10 10	1071 (00)	TINUED)			
		EVEBT OF	JURE	18 - 19,	1971 (00)	TIMOED			
						6-19	430	23.088	0.4015
							644	14.250	0.4036
							1212	3.378	0.4060
							1718	1.601	0.4066
							2310	1-254	0-4070

HOTES: To convert runoff in CFS to IN/BE, multiply by 0.0000496. Thiessen weighted storm rainfall, rain gages 3, 10 thru 14, 20, 21, 24 and 26. For 30-day antecedent P and Q, see tables on pp. 62.010-1 and 2.



OXFORD, MISSISSIPPI WATERSHED W-34

LOCATION: Marshall Co., Miss.; 8 mi. S of Byhalia on County road; Pigeon Roost Creek, Yazoo River Basin.

AREA: 75000.00 acres 117.20 sq. miles

80	NTHL!	Y PRECIP	HOITATI	AND RUNOR	P (inche	s)		OEF	ORD, MISS	ISSIPP	. WATE	RSHED W	-34	
		Jan	Feb	far	Apr	May	Jun	Jul	Aug	Sep	Oct	Hov	Dec	Annual
	P	4.41	6.10	3.66	3.19	3.57	3.61	2.63		3.13	0.45	1.92	4.60	41.89
1971	Q	1.714	3.480	1.160	0.646	0.727	0.771	0.493	0.877	0.498	0.429	0.514	0.632	11.942
VA AT	P	3.95	4.86	4.71	4.86	4.24	3.03	3.96		4.49	2.06	4.22	5.41	49.94
	Q	1.476	1.984	1.877	1.517	1.111	0.493	0.698	0.732	0.760	0.435	0.938	1.515	13.537
	ANNU	DAL BAXI	UH DISC	HARGE (in	/hr) AND	HAXINUM	VOLUME:	S OF BUNO	FF (inche	s) FOR	SELECTE	D TIME	INTERVA	LS
	ANNU	Maxie Dische Date	rge	1 Hour	2		faximum 6	Volume fo	FF (inche or Selecte 2 Hours te Vol.	d Time	Interval Day	 1	ys	8 Days
1971	ANNO	Maxi	ium irge late	1 Hour	2 Date	Hours Vol.	faximum 6 Hou Date	Volume fo prs 1 Vol. Da	r Selecte	d Time 1 Date	Interval Day Vol.	l 2 Da Date	ys Vol.	8 Days
1971	ANNO	Maxis Discha Date	ium irge late	1 Hour	2 . Date	Hours Vol.	faximum 6 Hor Date 1	Volume fo prs 1 Vol. Da	r Selecte 2 Hours te Vol.	d Time 1 Date	Interval Day Vol.	l 2 Da Date	ys Vol.	8 Days Date Vol.

NoTES: Naterched conditions: About 23% is cultivation (cotton, corn and sopheams), fair cover November to March, poor cover April and May isproving to good by mid-July; 29% in pasture and idle land, good cover April to October with fair cover remainder of year; 46% in woods, good cover; 13% in bare gulliss; 1% urban. Percentages of total area in warious land use categories are based on surveys made from 1965 to 1971. About 17% of area, principally in upper Agricultral Yatercheds in the United States, 1956-59, 93DA minc. Pub. 985, p. 62.11-4. Monthly precipitation Thiessen weighted from 32 rain gages. Monthly values of runoff include small amounts of flow through auxiliary Station 34-4. Precipitation and runoff records began Jan. 1957. Bunoff for period october 1956 thro December 1970 discontinued, due to dredging in the channel. For long-time precipitation records, see Mational Weather Service records at Bolly Springs, 4%, Haissiachpin.

1971	D	AILY PREC	IPITATION	(inches)			OX PORD	, mississ	IPPI WA	TERSHED W	-34	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	HOV	Dec
1	0.0	0.0	0.0	0.65	0.0	0.34	0.0	0.0	0.08	0.0	0.0	0.0
2	0.0	0.0	0.19	0.0	0.03	0.0	0.0	0.00	0.31	0.0	0.02	0.46
3 ii	0.31	0.74	0.06	0.0	0.0	0.0	0.0	0.05	0.13	0.01	0.0	0.49
5	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.12	0.01	0.37	0.0	0.17
6	0.0	0.0	0.32	0.0	0.0	0.05	0.14	0.79	0.01	0.0	0.37	0.24
7	0.0	0.09	0.0	0.0	0.22	0.43	0.0	0.04	0.08	0.0	0.0	0.01
8	0.0	0.08	0.0	0.0	0.01	0.04	0.0	0.00	0.03	0.0	0.0	0.0
9	0.0	0.0	0.20	0.0	0.0	0.0	0.09	0.76	0.0	0.0	0.05	1.13
10	0.0	0.0	0.20	0.0	0.39	0.0	0.0	0.05	0.0	0.0	0.0	0.04
11	0.02	0.00	0.0	0.0	0.13	0.0	0.0	0.24	0.00	0.0	0.0	0.0
12	0.0	1.09	0.0	0.0	1.72	0.0	0.0	0.0	0.0	0.0	0.0	0.34
13	0.00	0.0	0.41	0.03	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.03
14	0.52	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.41
15	0.0	0.0	0.19	0.0	0.0	0.13	0.0	0.0	0.0	0.01	0.0	0.55
16	0.0	0.0	0.0	0.0	0.0	1.28	0.0	0.01	0.61	0.0	0.0	0.04
17 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
18	0.0	0.0	0.50	0.12	0.0	1.06	0.0	0.01	0.0 1.16	0.0	0.74	0.0 0.10
20	0.0	0.03	0.0	1.03	0.0	0.0	0.03	0.0	0.05	0.0	0.0	0.0
21	0.28	2.63	0.0	0.26	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
22	1.26	0.0	0.02	0.15	0.0	0.0	0.0	0.32	0.0	0.0	0.03	0.0
23	0.47	0.0	0.0	0.60	0.0	0.0	0.31	0.0	0.0	0.03	0.12	0.0
24	1.18	00.	0.0	0.0	0.76	0.0	1.39	0.0	0.0	0.03	0.0	0.0
25	0.0	0.01	1.11	0.0	0.0	0.0	0.32	0.02	0.00	0.0	0.0	0.0
26	0.0	0.53	0.0	0.0	0.0	0.0	0.02	1.73	0.64	0.0	0.0	0.0
27	0.03	0.0	0.0	0.0	0.28	0.12	0.0	0.0	0.02	0.0	0.0	0.0
28 29	0.0	0.0	0.40	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.52	0.09
30	0.0		0.05	0.19	0.0	0.03	0.07 0.15	0.0	0.0	0.0	0.0	0.01
31	0.0		0.0	0.16	0.0	0.0	0.0	0. 12	0.0	0.0	0.0	0.50
TOTAL	4.41	6.10	3.66	3. 19	3.57	3.61	2.63	4.61	3.13	0.45	1.92	4.60
STA AV	3.95	4.86	4.71	4.86	4.24	3.03	3.96	4_16	4.49	2.06	4-22	5.41

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-4r, (p. 62.001-1). Daily precipitation values Thiessen weighted from rain gages 1 thru 31 and 33. STA AV based on 14 yr (1957-69, 1971) record period.

19	71	MEAN DAIL	Y DISCHAR					, MISSISS		IBRSHED W-	34	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Boa	Dec
1	0.0	63.6	63.6	197.3	41.1	46.9	55.1	42.2	61.6	38.9	46.9	52.0
2	0.0	61.9	63.6	242.5	41.1	46.9	61.9	48.6	45.8	38.9	50.7	66.6
3	0.0	60.0	65.4	62.3	42.2	41.1	63.6	47.5	66.1	40.0	53.5	100.9
4	0.0	163.5	60.2	50.7	43.4	40.0	55.5	46.0	49.4	40.0	53.5	62.1
5	0.0	366.7	53.5	47.1	44.5	42.2	52.2	49.4	48.1	41.1	53.5	55.0
6	0.0	131.0	119.4	42.2	44.5	42.2	56.6	81.8	43.4	41.1	55.0	55.0
7	0.0	121.5	97.7	45.8	44.5	66.3	55.1	341.8	42.2	42.2	55.0	55.0
8	0.0	125.3	67.5	42.3	44.5	48.1	53.5	40.7	45.6	42.2	55.0	52.2
9	0.0	127.2	67.5	42.3	45.6	45.6	55.0	122.9	49.4	40.0	55.0	115.5
10	0.0	131.0	137.8	45.8	78.9	44.5	48.6	70.6	48.2	41.1	53.5	82.5
11	0.0	138.6	77.9	42.2	66.2	48.2	41.1	43.4	46.9	42.2	52.0	44.5
12	0.0	1269.9	67.5	42.2	317.5	50.7	41.1	42.2	50.7	44.5	52.0	45.6
13	0.0	285.6	262.7	42.2	361.4	49.3	41.1	42.2	52.0	45.6	55.1	52.5
14	130.7	116.3	109.7	42.2	58.7	46.9	40.0	41.1	50.7	43.4	56.6	65.1
15	148.1	90.7	143.6	42.2	44.5	44.5	41.1	41.1	50.7	43.4	56.6	165.2
16	65.7	65.7	72.5	41.1	44.5	494.7	41.1	40.0	53.5	44.5	56.6	58.2
17	58.3	56.6	53.5	40.0	53.1	106.6	38.9	40.0	55.0	44.5	55.0	48.1
18	56.6	62.1	79.0	42.2	63.6	463.0	38.9	42.2	56.6	45.6	56.6	48.1
19	53.5	279.5	183.7	43.4	63.6	156.1	42.2	45.6	76.1	46.8	56.6	50.7
20	52.0	265.9	85.3	50.3	58.4	48.1	44.5	45.6	120.8	48.1	55.0	52.0
21	66.6	3967.1	61.8	193.0	50.9	44.5	42.2	44.5	42.2	48.1	55.0	49.4
22	815.3	2111.2	61.8	50.9	46.8	42.2	37.7	53.9	42.2	44.5	55.0	49.4
23	616.5	194.8	58.4	216.3	48.1	42.2	59.9	49.7	44.5	42.2	55.0	52.0
24	2670.9	96.4	60.2	68.6	93.3	43.4	121.7	43.4	49.4	42.2	52.2	55.1
25	247.2	91.1	880.5	44.5	181.0	48-2	76.1	41.1	42.4	43.4	52.2	58.3
26	111.0	354.1	179.5	41.1	46.8	46.0	38.9	697.1	57.9	48.2	55.0	56.6
27	71.2	98. 9	49.7	43.4	50.9	44.6	40.0	279.1	58.4	49.4	53.5	58.4
28	63.8	69.3	46.1	42.3	47-5	49.3	41.1	56.9	40.0	44.5	52.0	61.8
29	58.3		214.4	43.5	41.1	48.1	44.5	52.0	40.0	44.5	53.5	65.5
30	56.6		66.0	45.8	41.1	49.4	43.4	62.6	40.0	45.6	53.5	79.2
31	58.4		44.5		42.2		41.1	68.3		44.5		79.2
MBAN	174.21	391, 61	117.89	67.86	73.92	80.99	50.12	89.15	52.33	43.59	54.03	64.25
INCHES	1.714	3.480	1.160	0.646	0.727	0.771	0.493	0.877	0.498	0.429	0.514	0.632
STA AV	1.476	1.984	1.877	1.517	1, 111	0.493	0.698	0.732	0.760	0.435	0.938	1.515

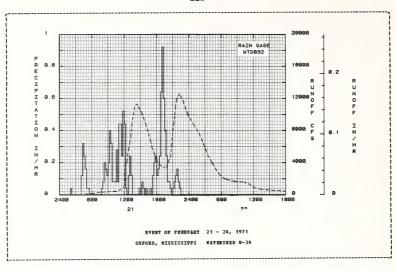
NOTES: To convert discharge in CFS to IM/DAY, multiply by 0.00031736. Quality of records: Good, estimated to be within 10% of actual. Daily discharge values include relatively insignificant flow through auxiliary station 38-1. Runoff for period october 1969 thru December 1970 discontinued, due to dredging in the channel. STA AV based on 14 yr (1957-69, 1971) record period. Part-year amounts are included in station averages.

ANTEC	EDENT CONDIT				NPALL			RUBO	PP	
Date	Rainfall (inches)	Runoff	Date Mo-Day	Time	Intensity		Date Mo-Day	Time	Rate (cfs)	Acc. (inches)
			BVE:	T OF PEBI	TUARY 21 -	24, 1971				
	RG WTD032			RG WIDO	132					
2-21	0.0	0.006	2-21	130	0.0	0.0	2-21	438	108.20	0.0
				145	0.0	0.0		514	119.60	0.0009
				200	0.0	0.0		558	165.20	0.0023
				215	0.0400	0.01		628	187.94	0.0035
				230	0.0	0.01		700	257.70	0.0051
ATERSHE	CONDITIONS:									
out 23%	of area in o	ulti-		345	0.0	0.01		728	308.33	0.0068
tion, p	cimarily cott	on.		400	0.0	0.01		830	351.97	0.0113
	soybeans, poc			415	0.1200	0.04		928	404.00	0.0161
ir cove	c: 29% in pas	ture and		430	0.3200	0.12		1014	433.19	0.0203
	, fair to goo			445	9,2400	0.18		1034	459.02	0.0223
X in wo	ods, good cov allies: 1% ur	er; 1%		500	0.1600	0.22		1108	561.64	0.0261
pare g	urries; 1% dr	Dan.		515	0.1800	0.22		1122	680.00	0.0280
				530	0.0400	0.24		1144	830.00	0.0317
				545	0.0400	0.24		1156	995.00	0.0341
				600	2.0	0.24		1204	1158.00	0.0341
				600	9.0	0.24		1204	1130.00	0.0360
				730	0.0	0.24		1210	3660.00	0.0392
				745	0.0	0.24		1220	3624.00	0.0472
				800	2-0400	0.25		1232	9176.19	0.0575
				815	0.0800	0.27		1238	4857.81	0.0635
				830	0.2000	0.32		1248	5659.98	0.0751
				845	0.1600	0.36		1302	6464.36	0.0938
				900	0,1200	0.39		1314	7322.45	0.1120
				915	0.2000	0.44		1328	9049.97	0.1373
				930	0.4000	0.54		1346	10260.98	0.1756
				945	0-3200	0.62		1358	10932.97	0.2036
				1000	0.0800	0.64		1414	11289.98	0.2428
				1015	0.0800	0.66		1428	11226.97	0.2775
				1030	0.0800	0.68		1454	10617.98	0.3401
				1045	0.2800	0.75		1514	10197.97	0.3860
				1100	0.0800	0.77		1544	9270.29	0.4504

NOTES: To convert runoff in CFS to IB/BB, multiply by 0.00001322. Thiessen weighted storm rainfall, rain gages 1 thro 31 and 33. For 30-day antecedent P and Q, see table on pp. 62.011-1 and 62.011-2.

ANTECRI	BMT COMDIT	Runoff	Date	Time	WPALL Intensity	Acc.	Date	RUBO	PP	Acc.
Date No-Day	(inches)	(inches)	No-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			EVENT OF	PEBRUARY		1971 (CO				
			2-21	1115 1130	0.4400	0.88	2-21	1608 1626	8489.97 7850.61	0.4974
				1145	0.2400	1.05		1652	6685.97	0.5714
				1200	0.5200	1.18		1716	5627.97	0.6040
				1215	0.4400	1.29		1742	4885.50	0.6341
				1230	0.0400	1.30 1.30		1756 1810	4428.21	0.6485
				1300	0.1200	1.33		1832	3792.00	0.6807
				1315	0.2400	1.39		1852	3540.00	0.6969
				1330	0.1200	1.42		1916	3396.00	0.7152
				1345	0.0	1.42		1930 1946	3312.00	0.7256 0.7375
				1415	0.0	1.42		1958	3708.00	0.7469
				1430	0.0	1.42		2014	4149.98	0.7608
				1445	0.0	1.42		2038	4717.97	0.7843
				1500 1515	0.0400	1.43		2046 2058	6171.98 7376.71	0.7939 0.8118
				1515 1530	0.0 0.0800	1.43		2058 2116	7376.71 9129.98	0.8118
				1545	0.0400	1.46		2132	10911.97	0.8798
				1600	0.0	1.46		2142	11577.81	0.9046
				1615	0.0400	1.47		2150	12085.61	0.9255
				1630 1645	0.0	1.47 1.47		2202 2218	12284.97 12584.98	0.9577 1.0015
				1700	0.0400	1.48		2240	12035.70	1.0612
				1715	0.0	1.48		2300	11577.81	1.1133
				1730	0.1200	1.51		2326	10575.97 10092.96	1.1767
				1745 1800	0.2000	1.56 1.62		2346 2400	9753.77	1.2223
				1815	0.1200	1.65	2-22	28	9169.97	1.3113
				1830	0.1600	1.69		56	8689.98	1.3664
				1845	0.2400	1.75		124	8169-97	1.4184
				1900 1915	0.6400	1.91 2.14		158 230	7546.35 6600.98	1.4773
				1930	0.6000	2,29		252	6043.98	1.5578
				1945	0.4000	2,39		318	5254.97	1.5902
				2000	0.2400	2.45		330	4913.26	1.6037
				2015 2030	0.0800	2.47		346 414	4592.71 4084.37	1.6205
				2045	0.0399	2.50		438	3588.00	1.6676
				2100	0.0	2.50		458	3191.79	1.6825
				2115	0.0400	2.51		528	2675.64	1.7019
				2130 2145	0.0800	2.53 2.56		556 628	2321.50 2070.39	1.7173 1.7328
				2200	0.1600	2.60		700	1873.00	1.7467
				2215	0.0800	2.62		708	1846.00	1.7500
				2230	0.0400	2.63		734	1765.00	1.7603
				2245 2300	0.0	2.63 2.63		820 900	1656.63 1604.13	1.7776
								926	1578.76	1.8011
								956	1570.34	1.8115
								1012	1545.00	1.8170
								1038 1112	1460.00 1307.32	1.8256
								1132	1146.00	1.8414
								1210	873.92	1.8499
								1230	755.00	1.8535
								1312 1348	685.00 614.84	1.8602
								1426	589.68	1.8704
								1600	498.94	1.8817
								1706	467.81	1.8887
								1904 2040	412.24 375.94	1.9001
								2234	320.06	1.9171
								2400	292.78	1.9229
							2-23	158 358	265.50	1.9302 1.9370
								358 532	246.00 230.35	1.9419
								800	214.74	1.9492
								1144	184.15	1.9590
								1918 2400	153.80	1.9759
							2-24	558	131.00 96.80	1.9848
								1242	89.14	2.0021

temporary in Convert runoff in CFS to IM/MB, multiply by 0.00001322. Thiessen weighted storm rainfall, rain gages 1 thrm 31 and 33. For 30-day antecedent P and O, see table on pp. 62.011-1 and 62.011-2.



OXPORD, MISSISSIPPI WATERSHED W-35

LOCATION: Marshall Co., Miss.; 0.3 mi. W of Chulahoma on State Highway No. 4; Cuffawa Creek, Pigeon Roost Creek Watershed, Yazoo River Basin.

AREA: 7550.00 acres 11.80 sq. miles

но	ONTHL!	Y PRECIE	HOITATION	AND RUNC	OFF (inche	s)		OXP	ORD, MIS	SISSIPP	WATE	RSHED	₩-35		
		Jan	Feb	Bar	Apr	Ba y	Jun	Jul	Aug	Sep	0ct	How	Dec		Annual
	Р	4.25	5.61	3.85	3.21	2.87	4.47	2.63	7.33	3.24	0.62	1.77			4.73
1971	Q	1.311	2.395	0.263	0.053	0.095	0.441	0.0	1. 117	0.0	0.0	0.0	0.0	32	5.707
VA AT	P	3.73	4.82	4.90	4.91	4.67	3.22	3.78	3.78	4.69	2.39	4.15	5.2	9 9	50.33
	Q	1.311	1.763	1.817	1.344	1.009	0.203	0.288	0.348	0.448	0.109	0.60	1 1.4	11 1	10.653
	ANNU	DAL HAXI	HUM DIS	HARGE (ln/hr) AHD	HAXINUM	AOLUHE	S OF RUNO	FF (inch	es) FOR	SELECTE	D TIBE	INTERV	ALS	
	ANHU	Baxi					aximum	Volume fo	r Select	ed Time	Interva	1			
	ANNU		mum arge	1 House	. 2		aximum	Volume fo urs 1	r Select	ed Time		1 2 D	 ays	8 1	oays Vol.
1971	JEHA	Haxi Disch	mum arge Rate	1 Hour	. 2	Hours Vol.	aximum 6 Ho Date	Volume fo urs 1 Vol. Da	r Selecto 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.
1971	JEHA	Maxi Disch Date	mum arge Rate	1 Hour	2 01. Date	Hours Vol.	aximum 6 Ho Date 8-26	Volume fo urs 1 Vol. Da	r Selector 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.

MOTES: Watershed conditions: About 31% in cultivation (cotton, corm, soybeans and regrass), fair cover Bovember to March, poor cover April and May improving to good by mid-ouly; 31% in pasture and side land; good cover April to make the poor to the state of the sta

1971	Di	ILY PREC	EPITATION	(inches)			OXPORD	, mississ:	IPPI WA	TERSBED W	-35	
Day	Jan	Feb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Яоч	Dec
1	0.0	0.0	0.0	0.64	0.0	0.42	0.0	0.0	0.11	0.0	0.0	0.0
2	0.0	0.0	0.20	0.0	0.00	0.0	0.0	0.0	0.42	0.0	0.0	0.51
3	0.25	0.10	0.06	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.46
4	0.36	0.70	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.03	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.01	0.50	0.0	0.16
6	0.0	0.0	0.34	0.0	0.0	0.02	0.01	1.34	0.0	0.0	0.34	0.24
7	0.0	0.09	0.0	0.0	0.20	1.13	0.0	0.0	0.01	0.0	0.0	0.00
8	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.25	0.0	0.0	0.0	0.08	1.47	0.0	0.0	0.07	1.15
10	0.0	0.0	0.17	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	0.02	0.00	0.0	0.0	0.12	0.0	0.0	0.32	0.0	0.0	0.0	0.0
12	0_0	1.10	0.0	0.0	1.56	0.0	0.0	0.0	0.0	0.0	0.0	0.43
13	0.01	0.0	0.45	0.02	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.05
14	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.44
15	0.0	0.0	0.24	0.0	0.0	0.08	0.0	0.0	0.0	0.01	0.0	0.50
16	0.0	0.0	0.0	0.0	0.0	1.03	0.0	0.0	0.78	0.0	0.0	0.03
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.51	0.23	0.0	1.62	0.0	0.0	0.0	0.0	0.59	0.0
19	0.0	0.78	0.0	0.0	0.0	0.0	0.04	0.0	1.18	0.0	0.06	0.09
20	0.0	0.0	0.0	1.01	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0
21	0.25	2.12	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.96	0.0	0.08	0.11	0.0	0.0	0.0	0.29	0.0	0_0	0.04	0.0
23	0.38	0.0	0.0	0.51	0.0	0.0	0.37	0.0	0.0	0.08	0.11	0.0
24	1.55	0.0	0.0	0.0	0.26	0.0	1.31	0.0	0.0	0.00	0.0	0.0
25	0.0	0.04	1.14	0.0	0.0	0.0	0.52	0.16	0.0	0.0	0.0	0.0
26	0.0	0.58	0.0	0.0	0.0	0.0	0.0	2.74	0.67	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.41	0.16	0.0	0.0	0.01	0.0	0.0	0.0
28	0.0	0.0	0.38	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.56	0.15
29	0.0		0.03	0.21	0.0	0.01	0.02	0.0	0.0	0.0	0.0	0.01
30	0.0		0.0	0-20	0.0	0.0	0.14	0.03	0.0	0.0	0.0	0.63
31	0.0		0.0		0.0		0.0	0.09		0.0		0.0
TOTAL	4.25	5.61	3.85	3.21	2.87	4.47	2-63	7.33	3.24	0.62	1.77	4.88
STA AV	3.73	4.82	4.90	4.91	4.67	3.22	3.78	3.78	4.69	2.39	4.15	5.29

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-4C (p.62001-1). Daily precipitation values Thiessen weighted from rain gages 10, 11, 20, 21 and 24. STA AV based on 15 yr (1957-71) record period.

197	71	MBAN DAILY	DISCHARGE	(cfs)			ONFORD	, mississi	PPI	WATERSHED	W-35	
Da y	Jan	Peb	Mar	Apr	Hay	Jun	Jul	Δug	Sep	0ct	NoA	Dec
1	0.0	0.0	0.0	8.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	2.34	0.0	0.0	0.0	0.0	0.0		0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
5	0.0	8.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
5	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	1.16	0.0	0.0	0.0	0.0	63.30	0.0		0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	13.90	0.0	6.31	0.0		0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.27	0.0		0.0	2.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	127.53	0.0	0.0	20.47	0.0	0.0	0.0	0.0		0.0	0.0
13	0.0	18.96	15.14	0.0	9.71	0.0	0.0	0.0	0.0		0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
16	0.0	0.0	0.0	0.0	0.0	15.51	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	1.65	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.18	0.0	0.0	104.82	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	50.41	1.27	0.0	0.0	4.06	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	8.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	00	415.97	0.0	3.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	28.86	76.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	16.50	0.70	0.0	2.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	354.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
25	15.76	0.0	58.48	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
26	0.60	37.49	3.45	0.0	0.0	0_0	0.0	229.42	0.0	0.0	0.0	0.0
27	0.0	0.36	0.0	0.0	0.0	0.0	0.0	11-78	0.0		0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
29	0.0		3.85	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.1
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	13.410	27.128	2.694	0.558	0.973	4.665	0_0	11.429	0.0	0.0	0.0	0.3
NCHES	1.311	2.395	0.263	0.053	0.095	0.441	0.0	1, 117	0.0			0.0
TA AV	1.311	1.763	1.817	1.344	1.009	0.203	0.288	0.348	0.44			1.4

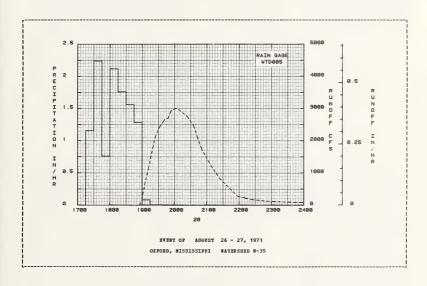
HOTES: To convert discharge in CFS to IB/DAT, multiply by 0.0031525. Quality of records: Fair, estimated to be within 15% of actual. STA AV based on 15 yr (1957-71) record period.

ARTRO	EDENT CONDI				NPALL			RUBO	PP	
Date	Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
Ho-Day	(inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			20.0	NT OF AU	IGUST 26 -	27, 1971				
			PAP			21, 1971				
8-26	RG WTD005	0.0	8-26	1700	0.0	0.0	8-26	1856	0.875	0.0
0-20	0.0	0.0	0-20	1715	0.0	0.0	0-20	1900	183.128	0.0008
				1715	1. 1600	0.29		1906	717.998	0.0008
				1745	2.2400	0.29		1912	1149.999	0.0000
										0.0305
				1800	0.7600	1.04		1916	1461.999	0.0305
	D CONDITIONS:			4045	0.4000	1.57		1920	1785.997	0.0447
				1815	2-1200	2.01				
tion, p	rimarily cot	ton,		1830	1.7597			1924	2103.998	0.0617
rn, soy	beans and ry	egrass;		1845	1.5590	2.40		1932	2415.998	0.1011
	sture and id:			1900	1.2800	2.72		1942	2661.999	0.1571
ir to g	ood cover; 3	7% in		1915	0.0800	2.74		1948	2697.999	0.1915
	od cover; 1%	in bare								
llies.				1930	0.0	2.74		1954	2937.998	0.2291
				1945	0.0	2.74		2004	3009.999	0.2947
				2000	0.0	2.74		2008	2961.998	0.3207
								2024	2745.998	0.4203
								2036	2451.999	0.4883
								2044	2043-998	0.5275
								2052	1695.998	0.5601
								2108	1221-999	0.6118
								2124	826,000	0.6475
								2158	263.198	0.6880
								2208	231.938	0.6935
								2216	194.695	0.6972
								2228	158.568	0.7018
								2238	147,536	0.7052
								2252	117.127	0.7092
								2308	106.990	0.7132
								2332	85.990	0.7182
								2348	80.719	0.7211
								2400	77.056	0.7232
							8-27	42	61,600	0.7296

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.0001314. Thiessen weighted storm rainfall, rain gages 10, 11, 20, 21 and 24. For 30-day antecedent P and Q, see tables on pp. 62.012-1 and 2.

AHTECH	ENT CONDI	TIONS		RAI	BPALL			RUBOR	P	
Date Bo-Day	Rainfall	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			BVENT OF	AUGUST	26 - 27,	1971 (CO)	ITIWUED)			
							8-27	128	51.938	0.7353
								220	41.528	0.7406
								314	33,900	0.7451
								414	26.200	0.7490
								516	20.668	0.7522
								558	16,226	0.7539
								702	11.928	0.7559
								816	7.500	0.7575
								1032	3.000	0.7591
								1226	1.491	0.7597

HOTES: To convert runoff in CFS to IM/HE, multiply by 0.0001314. Thiessen weighted storm rainfall, rain gages 10, 11, 20, 21 and 24. For 30-day antecedent P and Q, see tables on pp. 62.012-1 and 2.



OXFORD, MISSISSIPPI WATERSHED W-17A

LOCATION: Marshall Co., Miss.; 7.8 mi. SW of Holly Springs on County road; Pigeon Roost Creek Watershed, Yazoo River Basin.

BREA: 3200.00 acres 5.00 sq. miles

8	ONTHLY	PRECI	HOITATION	AND RUN	OFF (inc)	ies)		0	XFORD	, missi	SSIPP	I WATE	RSHED I	-17A		
		Jan	Feb	Har	Apr	May	Jun	Jul	Àυ	g S	ep	Oct	How	Dec	1	nnual
1971	P Q	4.64 1.165	5.49 2.517	3,49 0,018	3.25 0.037	3.64 0.043	2.57 0.041	3.22 0.027	3.4		.94	0.26	1.98	4.1 0.0		9.08 3.959
STA AV	P Q	3.48 0.723	4.53 1.383	4.81 1.383	5.15 1.162	3.97 0.566	2.77 0.110	4.24 0.297	0.		.98 .387	2.18 0.071	3.51 0.33	5.3 0.8		8.41 7.650
	ANNU	AL MAXI	HUM DISC	CHARGE (in/hr) Al	D BAXING	AOTOR	S OF RU	BOFF	(inches) FOR	SELECTE	D TIME	INTERV	ALS	
		Baxi Disch Date	arge	1 Hou Date V		Hours e Vol.		ours	for So 12 Ho Date	ours	1	Interval Day Vol.		ys Vol.	8 Date	ays Vol.
1971		2-21	0.213	2-21 0	.211 2-2	1 0.421	2-21	1.105	2-21	1.672	2-21	2.138	2-21	2.200	2-18	2.272
						HAXINUN	S FOR PI	RIOD OF	RECO	RD						
		7÷ 9 1967	0.490	7- 9 0 1967	.490 7- 190		7- 9 1967		7- 9 1967	3.510	7- 9 1967	3.650	7- 9 1967	3.660	4- 9 1969	4.287

BOTES: Watershed conditions: About 14% of area in cultivation (cotton, soyheans and corm), fair cover November to March, poor cover April and May improving to good by mid-July; 17% in pasture and idle land, good cover April to October with fair cover resminder of year; 68% in swods, good cover: 1% in bare gallies. Percentages of total area in various land use categories are based on the latest survey completed in 1970. About 38% of drainage area above small desilting and retention dams. For map of watershed, see Hydrologic Data for Experiental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 62.5-5. Bouthly precipitation Thieseen weighted from rain gages 2, 17, 2 and 26. Procipitation and runoff records began and 1957; but it in averages were computed starting with 1956. Basians discharges and followers were not computed prior to 1961; poor accords 1950-0.
Por long-time precipitation records, see Mational Weather Service records at Bolly Springer, 48, Mississippi.

1971	Di	AILY PREC	IPITATION	(inches)			OXFORD	HISSISS:	CPPI WA	IBRSHED W-	-17A	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.83	0.0	0.22	0.0	0.0	0.07	0.0	0.0	0.0
2	0.0	0.0	0.23	0.0	0.02	0.0	0.0	0.0	0.47	0.0	0.0	0.4
3	0.33	0.07	0.06	0.0	0.0	0.0	0.0	0.10	0.02	0.0	0.0	0.41
4	0.30	0.72	0.0	0.0	0.0	0.0	0.0	0.02	0.02	0.00	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.02	0.15	0.0	0.1
6	0.0	0.0	0.34	0.0	0.0	0.0	0.08	0.27	0.0	0.0	0.34	0.2
7	0.0	0.07	0.0	0.0	0.22	0.10	0.0	0.0	0.22	0.0	0.0	0.0
8	0.0	0.05	0.0	0.0	0.02	0.01	0.0	0.0	0.00	0.0	0.0	0.0
9	0.0	0.0	0.15	0.0	0.0	0.0	0.04	0.56	0.0	0.0	0.06	1.1
10	0.0	0.0	0.17	0.0	0.37	0.0	0.0	0.01	0.0	0.0	0.0	0.0
11	0.02	0.0	0.0	0.0	0.10	0.0	0.0	0.32	0.0	0.0	0.0	0.0
12	0.0	1.02	0.0	0.0	1.91	0.0	0.0	0.0	0.0	0.0	0.0	0.1
13	0.0	0.0	0.30	0.02	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.50	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.2
15	0.0	0.0	0.22	0.0	0.0	0.05	0.0	0.0	0.0	0.00	0.0	0.6
16	0.0	0.0	0.0	0.0	0.0	0.93	0.0	0.0	0.44	0.0	0.0	0.0
17	0 - 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0
18	0.0	0.0	0.46	0.10	0.0	1.06	0.0	0.06	0.0	0.0	0.88	0.0
19	0.0	0.83	0.0	0.0	0.0	0.0	0.05	0.0	0.96	0.0	0.08	0.1
20	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0
21	0.30	2.27	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1-71	0.0	0.0	0.14	0.0	0.0	0.0	0.41	0.0	0.0	0.02	0.0
23	0.46	0.0	0.0	0.74	0.0	0.0	0.93	0.0	0.0	0.00	0.13	0.0
24	1.02	0.0	0.0	0.0	0.78	0.0	1.56	0.0	0.0	0.09	0.0	0.0
25	0.0	0.0	1.07	0.0	0.0	0.0	0.22	0.0	0.02	0.0	0.0	0.0
26	0.0	0.47	0.0	0.0	0.0	0.0	0.01	1.13	0.65	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.19	0.05	0.0	0.0	0.03	0.0	0.0	0.0
28	0.0	0.0	0.43	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.47	0.0
29	0.0		0.07	0.21	0.0	0.00	0.11	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.12	0.0	0.0	0.16	0.02	0.0	0.0	0.0	0.3
31	0.0		0.0		0.0		0.0	0.26		0.0		0.0
TAL	4.64	5.49	3.49	3.25	3.64	2.57	3.22	3.40	2.94	0.26	1.98	4.1
A AV	3.48	4.53	4.81	5.15	3.97	2.77	4.24	4.47	3.98	2.18	3.51	5.3

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-4C (p.62.001-1). Daily precipitation values Thiessen weighted from rain gages 2, 17, 22 and 28. STA AV based on 14 yr (1958-71) record period.

197	1	MEAN DAILS	DISCHARG	E (cfs)			OXFORD,	BISSISSI	PPI WAS	ERSEED W-	17A	
Day	Jan	Feb	Har	Apr	нау	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	3.82	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0
2	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
4	0.39	6.16	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
5	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
6	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.04	0.06	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.06	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.06	0.0	0.0	0.0
9	0.0	0.0	0.0	0_0	0.0	0.0	0.0	3.34	0.06	0.0	0.0	1.89
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.06	0.0	0.0	0.11
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
12	0.0	24.47	0.0	0.0	5.02	0.0	0.0	0.0	0.06	0.0	0.0	0.0
13	0.0	0.78	0.0	0.0	0.66	0.0	0.0	0.0	0.06	0.0	0.0	0.03
14	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.05
15	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	2.77
16	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.06	0.0	0.0	0.10
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.08
18	0.0	0.0	0.0	0.0	0.0	5.32	0.0	0.0	0.06	0.0	0.0	0.08
19	0.0	6.23	0.0	0.0	0.0	0.17	0.0	0.0	0.08	0.0	0.0	0.08
20	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.08
21	0.0	205.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
22	58.26	88.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
23	17.76	3.02	0.0	1.00	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.08
24	74.19	0.14	0.0	0.0	0.05	0.0	3,23	0.0	0.0	0.0	0.0	0.08
25	4.75	0.05	2.33	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.08
26	0.95	2.28	0.0	0.0	0.0	0.0	0.0	3.52	0.0	0.0	0.0	0.08
27	0.32	0.05	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.08
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
29	0.0		0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
31	0.0		0.0		0.0		0.0	0.01		0.0		0.04
BEAR	5.052	12.087	0.078	0.167	0.185	0.184	0.116	0.231	0.053	0.0	0.0	0.197
INCRES	1.165	2.517	0.018	0.037	0.043	0.041	0.027	0.053	0.012	0.0	0.0	0.046
STA AV	0.723	1.383	1.383	1.162	0.566	0.110	0.297	0.352	0.387	0.071	0.331	0.885

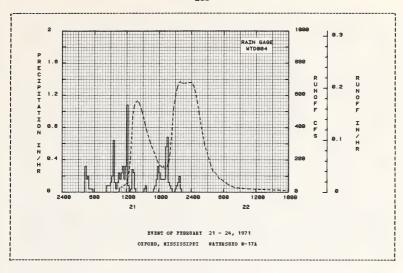
NOTES: To convert discharge in CFS to IM/DAY, multiply by 0.0074380. Quality of records: Poor, estimated to be within 20% of actual. STA AV based on 14 yr (1958-71) record period.

1971 S	ELECTED RUNO	PP EVENT				OXFORD, H	SSISSIPPI	WATER:	SHED W-17A	
ANTEC Date Mo-Day	EDENT COMDI: Rainfall (inches)	TIONS Runoff (inches)	Date Ho-Day	Time	BFALL Intensity (in/hr)		Date Bo-Day	RUNO Time of Day	Rate (cfs)	Acc. (inches)
			EAB	NT OF FEB	UARY 21 -	24. 1971				
	RG WTD004			RG WIDO	100					
2-21	0.0	0.0	2-21	415 430	0.0 0.3200	0.0	2-21	454 640	0.0 0.078	0.0
				445	0.3200	0.08		718	0.078	0.0
				500	0.2000	0.17		904	0.139	0.0001
MINEDEDE	D COMDITIONS			515	0.0400	0.18		942	0.139	0.0001
	of area in			530	0.0400	0.19		1028	0.635	0.0002
vation, p	rimarily cott	ton,		545	0.0400	0.20		1038	3.432	0.0003
	and corn, po-			600	0.0	0.20		1046	27.280	0.0009
	r provided by			815 830	0.0 0.0800	0.20		1058 1116	31.959 31.000	0.0027
	nd idle land,			030	0.0000	0.22		1110	31.000	0.0036
to good c	over; 68% in	woods,		845	0.0800	0.24		1128	41.995	0.0079
	r; 1% in bare	9		900	0.0800	0.26		1150	46.928	0.0130
gullies.				915 930	0.1200	0.29		1158 1208	54.226 56.438	0.0151
				945	0.6400	0.50		1214	85.000	0.0202
				1000	0.1200	0.53		1228	129.437	0.0280
				1015	0.1200	0.53		1244	208. 119	0.0280
				1030	0.1200	0.57		1300	374.000	0.0660
				1045	0.2400	0.63		1308	472.000	0.0835
				1100	0.1600	0.67		1318	518.000	0.1090
				1115	0-2400	0.73		1330	544.000	0-1419
				1130	0-3200	0.81		1346	558,000	0.1874
				1145	0.1600	0.85		1358	566.000	0.2222
				1200 1215	0.3200 1.0800	0.93		1414 1432	558.000	0.2686
				1215	1.0800	1.20		1432	532.000	0.3193
				1230	0.0800	1.22		1446	506.000	0.3568
				1245	0.0	1.22		1502	480.000	0.3975
				1300 1315	0.0400	1.23		1524	422,000	0.4488
				1315	0.2800	1.30		1550 1620	368.000	0.5018 0.5545
					0.2403	** 30		1020	3,2.000	043343

NOTES: To convert runoff in CPS to IM/EM, multiply by 0.0003099. Thiessen weighted storm rainfall, rain gages 2, 17, 22 and 28. For 30-day antecedent F and 0, see tables on pp. 62.017-1 and 2.

	CTED RUNO					OXFORD, 53	ISSISSIPP.	L WATER	SHED W-1/A	
ANTECEDE	NT CONDI	CIONS		BAI	BPALL			RUBO	PF	
Date	Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
Ho-Day	(inches)	(inches)	Mo-Day	of Day	Intensity (in/hr)	(inches)	Mo-Day	of Day	(cfs)	(inches
			EVENT OF	FEBRUARY	21 - 24,	1971 (CO)	STINUED)			
			2-21	1345	0.0400	1.37	2-21	1650	268,000	0.5994
				1515	0.0	1.37 1.38 1.40		1714	238.000 193.791 167.128	0.6308
				1530	0.0400	1.38		1742	193.791	0.6620
				1545	0.0800	1.40		1808	167.128	0.6862
				1630	0.0	1.40		1832	155.291	0.7062
				1645	0-0002	1-40		1844	151.837	0.7157
				1700	0.0002	1.40		1854	163.752	0.7239
				1715	0.0400	1.41		1904	148.375	0.7320
				1730	0.0400	1.43		1920	148.375	0.7443
				1745	0.1600	1.47		1934	163.752 148.375 148.375 157.000	0.7553
				1800	0 3300	1.40 1.40 1.41 1.43 1.47				
				1800				2000	192.000	0.7715
				1830	0.2400	1.61 1.65 1.69		2004	234.000	0.7847
				1845	0.1600 0.1600	1.60		2020	340.000	0.8084
				1900	0. 1600	1.73		2034	234.000 340.000 460.000 518.000	0.8575
				1915	0.1592 0.5600 0.6800 0.1200	1.77		2052	558.000	0.8853
				1930	0.5600	1.91		2104	598.000	0.9212
				1945	0.6800	2.08		2118	638.000	0.9659
				2000	0.1200	2.11		2132	666.000	1.0131
				2015	0.0800	2.13		2148	681.999	1.0688
				2030	0.0404	2.14		2158	685.999	1.1041
				2045	0.0 0.0 0.0400	2.14		2212	678.000	1. 1534
				2100	0.0	2.14		2232	674.000	1.2232
				2115	0.0400	2.15			676.000	
				2130	0.0800	2.17		2304	678.000	1.3350
				2145	0-1200	2.20		2330	680,000	1.4262
				2200	0.1200 0.2000 0.0400 0.0400	2.25		2400	680.000	
				2215	0.0400	2.26	2-22	16	670.000	
				2230	0.0400	2.27		32	648.000	1.6418
								46	616.000	1.6875
								110	548.000	1.7596
								130	477.998	1.8126
								202	372.000	1.8828
								232	372.000 288.000	1.9339
								304	230.000	1.9767
								220		
								334 402	175-759	2.0081
								420	125 000	2.0301
								444	100 610	2.0419
								514	175.759 127.968 125.000 108.614 82.584	2.0712
								534	81.368	2.0797
								602	66.352	2.0904
								704	43.968 30.055	2.1081
								900	25.480	2. 1192
								1036	21.155	2.1391
								1606	13.249	2.1684
								2104	9.586	2.1860
								2400		
							2-23	2400	0.175	2.2155

NOTES: To convert ranoff in CFS to IM/HB, multiply by 0.0003099. Thiessem weighted storm rainfall, rain gages 2, 17, 22 and 28. Por 30-day antecedent P and Q, see tables on pp. 62.017-1 and 2.



OXFORD, MISSISSIPPI WATERSHED W-35A

LOCATION: Marshall Co., Miss.; 0.3 mi. W of Chulahoma on State Highway Ho. 4; Cuffawa Creek, Pigeon Roost Creek Watershed, Tazoo River Basin.

AREA: 1090.00 acres 1.70 sq. miles

	BIDT	PERCIP.	LIMITOR	AND RUNGP	r (Inche			140	ORD, MIS	27227557	. WAID	RSHED N	-338		
		Jan	Peb	Har	Apr	Hay	Jun	Jul	λug	Sep	Oct	Nov	Dec		Annual
1971	P Q	4.20 1.747	5.63 2.727	3.72 0.960	3.07 0.300	2.99 0.176	4.38 0.864	2.48	7.48 1.053	2.98 0.026	0.63	1.89	4.8 0.3		44.34 8.162
TA AV	P Q	3.46 1.473	4.67 1.959	5.02 2.266	4.75 1.401	4.38 1.055	2.95 0.246	3.95 0.425	3.85 0.482	4.17 0.420	2.31 0.123	3.79 0.572	5.3		48.63 12.019
	ANHU	Bazi		BARGE (in		B	axisus	Volume fo	c Select	ed Time	Interva	1			
	ANHU		num arge	HARGE (in 1 Hour Date Vol	2 1			Volume fo		ed Time		1	ys	8	Days Vol.
1971	ANHU	Bazi:	um arge Rate	1 Hour Date Vol	2 I Date	Hours	aximum 6 Ho Date	Volume fo nrs 1 Vol. Da	Select 2 Hours	ed Time 1 Date	Interva Day	l 2 Da Date	ys	8 Date	vol.
1971	ANHU	Bazi Discha Date	um arge Rate	1 Hour Date Vol	2 l . Date	Nours Vol.	aximum 6 Ho Date	Volume fo nrs 1 Vol. Da	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	l 2 Da Date	ys Vol.	8 Date	

MOTES: Vaterabed conditions: About 28% in cultivation (cotton, soybeans and corn), fair cover November to March, More and State and Stat

1971	Di	AILY PEEC	PITATION	(inches)			ONFORD	, mississ:	CPPI WA	TERSHED W-	-35A	
Day	Jan	Feb	Har	Apr	Нау	Jun	Jul	Aug	Sep	0ct	FOW	Dec
1	0.0	0.0	0.0	0.59	0.0	0.40	0.0	0.0	0.08	0.0	0.0	0.0
2	0.0	0.0	0.15	0.0	0.00	0.0	0.0	0.0	0.22	0.0	0.01	0.51
3	0.30	0.11	0.03	0.0	0.0	0.0	0.0	0.16	0.06	0.0	0.0	0.49
4	0.30	0.71	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.02	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.51	0.0	0.17
6	0.0	0.0	0.33	0.0	0.0	0.03	0.10	1.97	0.0	0.0	0.38	0.24
7	0.0	0.07	0.0	0.0	0.22	1.07	0.0	0.02	0.0	0.0	0.0	0.00
8	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.25	0.0	0.0	0.0	0.02	1.26	0.0	0.0	0.05	0.03
10	0.0	0.0	0.20	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.03
11	0.02	0.01	0.0	0.0	0.12	0.0	0.0	0.31	0.0	0.0	0.0	0.0
12	0.0	1.09	0.0	0.0	1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.44
13	0.0	0.0	0.41	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.04
14	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39
15	0.0	0.0	0.21	0.0	0.0	0.12	0.0	0.0	0.0	0.00	0.0	0.49
16	0.0	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.70	0.0	0.0	0.03
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.52	0.23	0.0	1.83	0.0	0.0	0.0	0.0	0.68	0.0
19	0.0	0.76	0.0	0.0	0.0	0.0	0.03	0.0	1.26	0.0	0.06	0.08
20	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0
21	0.26	2.14	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.89	0.0	0.09	0.15	0.0	0.0	0.0	0.20	0.0	0.0	0.04	0.0
23	0.40	0.0	0.0	0.38	0.0	0.0	0.17	0.0	0.0	0.10	0.11	0.0
24	1.49	0.0	0.0	0.0	0.33	0.0	1.31	0.0	0.0	0.0	0.0	0.0
25	0.0	0.03	1.12	0.0	0.0	0.0	0.51	0 0.	0.00	0.0	0.0	0.0
26	0.0	0.64	0.0	0.0	0.0	0.0	0.0	2.66	0.61	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.36	0.13	0.0	0.0	0.02	0.0	0.0	0.0
28	0_0	0.0	0.38	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.56	0.15
29	0.0		0.03	0.21	0.0	0.11	0.07	0.0	0.0	0.0	0.0	0.00
30	0.0		0.0	0.18	0.0	0.0	0.15	0.03	0.0	0.0	0.0	0.63
31	0.0		0.0		0.0		0.0	0.23		0.0		0.0
TOTAL	4.20	5.63	3.72	3.07	2.99	4.38	2.48	7.48	2.98	0.63	1.89	4.88
STA AV	3.46	4.67	5.02	4.75	4.38	2.95	3.95	3.85	4.17	2.31	3.79	5.33

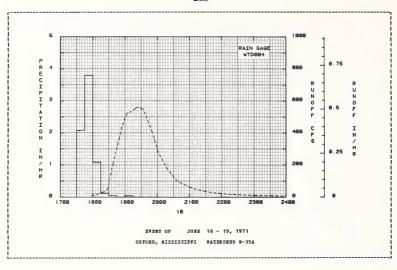
HOTES: For daily air temperatures in the vicinity, see table for Watershed W-4C (p.62001-1). Daily precipitation values Thiessen weighted from rain gages 3, 11, 24 and 26. STA AV based on 14 yr (1958-71) record period.

19	71	BEAS DAIL	Y DISCHAR					, MISSISS	IPPI WA	TRESHED W	-35A	
Day	Jan	Feb	Bar	Apr	flay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.075	0.0	1.133	2.752	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.037	0.0	0.917	2.104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.674	0.0	0.806	0.606	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	4.375	4.536	0.625	0.255	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1.059	2.995	0.208	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.255	0.917	1.272	0.0	0.0	0.0	0.0	15.230	0.0	0.0	0.0	0.0
7	0.0	0.448	0.854	0.0	0_0	0.975	0.0	1.773	0.0	0.0	0.0	0.0
8	0.0	0.097	0.170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.057	0.0	0.126	0.0	0.0	0.0	0.0	2.160	0.0	0.0	0.0	3.773
10	0.0	0.255	2.559	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.926
11	0.0	0.939	1.021	0.0	0.0	0.0	0.0	0.175	0.0	0.0	0.0	0.0
12	0.0	24.216	0.625	0.0	4.318	0.0	0.0	0.078	0.0	0.0	0.0	1.601
13	0.0	2.797	3.708	0.0	3.276	0.0	0.0	0.0	0.0	0.0	0.0	0.683
14	4.731	0.806	1.034	0.0	0.455	0.0	0.0	0.0	0.0	0.0	0.0	1.234
15	1.182	0.910	2.305	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.486
16	0.511	0.806	0.492	0.0	0.0	1.544	0.0	0.0	0.0	0.0	0.0	0.455
17	0.293	0.388	0.037	0.0	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.0
18	0.037	0.037	0.548	0.0	0.0	36, 195	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	8-259	2.155	0.0	0.0	0.822	0.0	0.0	0.425	0.0	0.0	0.0
20	0.0	2.129	0.388	0.096	0.0	0.0	0.0	0.0	0.587	0.0	0.0	0.0
21	0.015	50.229	0.037	5.762	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	9.254	9.516	0.0	0.451	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	5.608	1.858	0.0	1.472	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	47.442	1.034	0.0	0.255	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	2.698	0.806	14.651	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.939	7.896	1.899	0.0	0.0	0.0	0.0	28.099	0.162	0.0	0.0	0.0
27	0.426	1.870	0.806	0.0	0.0	0.0	0.0	0.727	0.0	0.0	0.0	0.0
28	0.208	1.133	1.456	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.075		2.835	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.037		0.917	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.388		0.0		0.0	0.0		0.0		0.0
LEAR	2,5803	4.4600	1.4186	0.4585	0.2597	1.3182	0.0	1.5562	0.0391	0.0	0.0	0.4568
ECHES	1.747	2.727	0.960	0.300	0.176	0.864	0.0	1.053	0.026	0.0	0.0	0.309
TA AV	1.473	1.959	2,266	1.401	1.055	0-246	0.425	0.482	0.420	0.123	0.572	1.598

NOTES: To convert discharge in CFS to IM/DAT, multiply by 0.0218364. Quality of records: Fair, estimated to be within 15% of actual. STA AV based on 14 yr (1958-71) record period.

	LECTED RUNO					OXPORD, HI			SHED W-35A	
	DENT CONDI				INPALL			RUHOI		
Date No-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVE	NT OF	JUNE 18 -	19, 1971				
	RG WTD004			RG WTD						
6-18	0.04	0.001	6-18	1730	0_0	0.0	6-18	1758	9.829	0.0
				1745	2.0800	0.52		1808	17.485	0.0021
				1800	3.8000	1-47		1822	35.000	0.0077
				1815	1.0800	1.74		1828	48.875	0.0115
				1830	9.1200	1.77		1838	208.995	0.0311
	CONDITIONS									
	of area in o			1845	0.0400	1.78		1850	377.119	0.0844
	imarily cott			1900	0.0	1.78		1854	437.000	0.1091
oybeans a	ad corn; 459	% in		1915	0.0400	1.79		1904	527.000	0.1822
	d idle land,			1930	0.0	1.79		1908	527.000	0.2142
	ver; 30% in			1945	0.0	1.79		1918	552.000	0.2959
	; 1% in bare	e gul-								
ies.		-		2000	0.0	1.79		1924	562.000	0.3466
								1934	547.000	0.4307
								1950	412.000	0.5470
								2002	277.728	0.6097
								2020	168.000	0.6705
								2038	98.280	0.7068
								2104	56.120	0.7372
								2132	33.320	0.7562
								2200	21.320	0.7678
								2232	14.559	0.7765
								2302	10.313	0.7822
								2332	8.027	0.7864
								2400	6.059	0.7894
							6-19	46	4.029	0.7929
								150	2.874	0.7962
								302	2.350	0.7991
								432	1.608	0.8018
								730	0.511	0.8047
								1158	0.341	0.8064

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.0009098. Thiessen weighted storm rainfall, rain gages 3, 11, 24 and 26. For 30-day antecedent P and Q, see tables on pp. 62.018-1 and 2.



TOMBSTONE, ARIZONA WATERSHED W-1

LOCATION: Cochise County, Arizona; 5.6 miles W of Tombstone; Walnut Gulch, San Pedro River, Gila River, Colorado River Basin.

AREA: 36900.00 acres 57.66 sq. miles

BC	HTHL	A BESCIE	HOLLATI	AND RUN	OFF (inch	es)		TO	MBSTONE,	, ARIZO	A WATER	SRED W-	-1	
		Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	How	Dec	Annual
	P	0.03	0.26	0.0	0.45	0.00	0.26		4.87	1.64	1.55	0.16	1.44	
1971	Q	0.0	0.0	0.0	0.0	0.0	0.0	0.019	0.209	0.001	0.001	0.0	0.0	0.230
STA AV	p	0.25	0.60	0.71	0.25	0.11	0.09		4.06	1.19	0.45	0.24	0.73	
	Q	0.0	0.0	0.0	0.0	0.0	0.0	0.021	0.085	0.005	0.000	0.0	0.0	0.112
	VRH			HARGE (in/hr) AB			S OF RUBOR					INTERVA	LS
	ABH	Maxi Disch		1 Bou	. 2		aximum '	Volume for		d Time	Interval Day	 1	INTERVA	
	ANH	Baxi	mum arge		. 2		daximum '	Volume for	Selecte	d Time	Interva	 1	ys	
1971	VAH	Maxi Disch	mum arge Rate	1 Hou	2 01. Dat	Hours e Vol.	Maximum 6 Ho Date	Volume for	Selecte Hours e Vol.	ed Time 1 Date	Interval Day Vol.	l 2 Da Date	ys Vol.	8 Days
1971	ABH	Maxi Disch Date	mum arge Rate	1 Hou	2 01. Dat	Hours e Vol.	Baximum 6 Hos Date 1	Volume for urs 12 Vol. Dat	Selecte Hours e Vol.	ed Time 1 Date	Interval Day Vol.	l 2 Da Date	ys Vol.	8 Days Date Vol.

NOTES: Watershed Conditions: 65% of area in desert shrubs (whitethorn, creosotebush and tarbush) with 25% cover and 2% grass cover. 35% is grassland with approximately 20% grass cover (crown spread) and 5% shrub cover. For thopography, geological and regetation maps, see pages 63.1-3, 63.1-4, and 63.1-5, respectively, of Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1966, USDA Hisc. Pub. 1262. Precipitation data: records began January 1954. Routhly totals are Thiessen weighted averages of 90 gages. Station averages are based on 1966-71 data. Runoff Data: Secords began April 1964, Station averages are based on 1966, 1968-71 data. For long-time precipitation records, see Mational Weather Service records at Tombstone, Arizon

197	71 DA	ILY	AIR T	EHPI	RATU	RE (8	legree	s P)							STORE	, AR	IZONA	WAT	ERSHE	D W-	3			
Day	Ja max		Fe na x		nax	nin	nax		Na mar	7	Jt	ın	Ju		Au max		Se		0c		na x		De man	
1	68	42	74	47	52	32	76	44	88	55	88	52	97	68	86	64	93	69	77	60	71	39	63	46
2	60	48	70	48	47	18	79	45	BB	56	83	57	90	70	90	68	87	64	79	52	76	44	57	38
3	35	28	57	47	64	24	78	47	87	55	81	59	93	66	93	69	88	64	81	51	74	47	59	38
5	36	17	56	23	75	39	78	48	76	50	88	50	98	70	90	62	90	65	71	57	79	50	47	39
5	36	17	62	32	68	48	76	46	75	46	90	58	96	66	90	70	94	64	74	54	79	54	51	32
6	30	15	61	35	66	33	75	54	69	51	93	58	90	67	82	68	91	68	75	55	71	52	57	36
7	38	15	58	32	67	38	81	52	77	51	89	58	96	65	92	64	91	69	76	55	76	49	51	41
8	47	18	63	34	73	46	79	50	78	53	91	58	95	70	94	69	90	71	80	54	75	47	37	29
9 10	56 61	27 31	60 70	37 35	70 70	39 40	83 88	50 52	79 80	48 52	89 86	61 57	98 101	73 82	92 86	67 65	91 95	65 70	80 77	54 59	74 76	50 50	52	28
10	01	31	70	33	/0	40	88	52	80	32	86	3/	101	82	86	65	33	/0	//	59	76	30	52	21
11	64	39	73	42	72	45	89	54	79	53	86	61	103	72	82	61	94	70	69	59	80	54	58	40
12	63	40	69	42	73	42	88	53	73	58	86	59	104	76	86	65	91	68	81	54	79	58	56	27
13	61	36	75	46	71	48	87	54	81	50	92	62	104	74	86	60	90	67	83	59	74	48	61	38
14	64	32	76	43	62	33	78	56	88	58	96	61	99	73	88	66	95	64	85	59	71	50	41	26
15	66	39	73	47	70	36	58	39	89	60	99	65	95	69	87	66	97	67	80	60	62	49	58	28
16	74	42	72	46	75	43	73	38	87	60	100	69	96	69	91	69	96	66	71	58	47	40	45	26
17	76	45	64	51	77	45	75	51	81	57	96	72	98	73	87	67	93	68	60	53	53	37	46	25
18	81	49	52	36	73	46	58	47	74	46	101	72	99	68	83	66	83	60	62	42	57	32	40	34
19	75	52	64	33	72 73	41	53	31	85	47	100	67	96	69	84	63	79	55	64	36	56	38	56	36
20	82	53	42	34	/3	52	69	36	89	54	100	66	98	65	87	65	82	58	73	43	61	40	61	37
21	71	55	49	21	76	39	66	46	85	62	101	68	96	71	86	66	81	57	80	53	67	38	58	40
22	70	48	69	29	79	45	68	39	80	58	98	72	93	70	87	65	79	56	81	52	60	37	60	47
23	65	44	60	34	84	47	77	46	76	45	100	72	95	71	89	66	77	50	79	52	66	36	68	49
24	64	38	48	39	80	52	77	47	84	53	98	72	93	64	83	66	80	52	68	56	65	42	73	50
25	65	38	63	35	80	50	73	52	90	60	94	66	94	64	86	64	88	60	62	53	70	43	72	43
26	70	38	59	37	87	54	71	43	86	62	96	69	96	73	88	65	87	64	60	39	71	43	65	50
27	74	46	58	30	83	54	75	45	88	64	98	72	98	70	93	69	87	62	71	42	71	43	62	42
28	73	42	55	28	82	53	69	47	83	61	94	68	94	68	90	67	89	63	72	54	68	41	57	48
29	73	44			83	54	76	44	74	46	93	68	96	66	92	68	82	68	60	40	62	45	49	38
30 31	74 74	39 40			85 77	58 50	84	51	82 84	49 53	99	66	96 92	69 70	93 92	70 69	79	60	65 73	27	64	46	55	29
31										33			92							46			45	36
AV.		37		37	73		75		82			64	96	70	88	66		63	73	51		45		37
HEAN STA AV	50	35		. 0 36		40	74	45		. 9 53		61		67		- 2 65	75 85	- 8	62 78			43		37
SIN NV					6/	40	74	45	84	3.3	91	01	93	6/	89	05	85	60	/8	52	6/	4.3	59	3/

HOTES: STA AV values are based on 8 yr (1964-1971) record period.

1971	DA	ILY PRECI	PITATION	(inches)			TOBBS	TONE, ARI	ZONA WATE	RSHED W-1		
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21E	0.03E	0.0	0.0	0.0
2	0.01E	0.0	0.0	0.0	0.0	0.0	0.14E	0.0	0.16E	0.0	0.0	0.0
3	0.02E	0.0	0.0	0.0	0.0	0.0	0.01E	0.20E	0.05	0.08E	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.05E	0.0	0.01E	0.088	0.0	0.58S 0.05S
3	0.0	0.0	0.0	0.0	0.0	0.0	0.032	0.0	0.012	0.0	0.0	0.035
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.01	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17B	0.0	0.005
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11E	0.11E	0.0	0.0	0.148
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00E
10	0.0	0.0	0.0	0.0	0.0	0.0	0.02	1.09E	0.0	0.0	0.0	0.0
11	0.0	0_0	0.0	0.0	0.0	0_0	0.0	0.07	0.0	0.13E	0.0	0.0
12	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.83E	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.24E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15B	0.0	0.0	0.0	0.03E
15	0.0	0.0	0.0	0.06E	0.0	0.0	0.0	0.01	0.0	0.01E	0.02E	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.11B	0.04	0.00	0.01E	0.14E	0.0
17	0.0	0.09E	0.0	0.0	0.0	0.0	0.06E	0.0	0.00	0.34E	0.0	0.0
18	0.0	0.03E	0.0	0.20S	0.0	0.0	0.22B	1.11E	0.71E	0.00	0.0	0.18B
19	0.0	0.00	0.0	0.205	0.0	0.0	0.04E	0.00	0.0	0.0	0.0	0.0
20	0.0	0.105	0.0	0.0	0.0	0.0	0.01	0.218	0.0	0.0	0.0	0.0
21	0.0	0.038	0.0	0.0	0.0	0.0	0.13	0.09E	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.94B	0.0	0.0	0.0	0.0	0.00
24	0.0	0.01E	0.0	0.0	0.0	0.26E	0.47E	0.41B	0.0	0.65B	0.0	0.0
25	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16E	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.01
27	0.0	0.0	0.0	0.0	0.0	0.0	0.12B	0.19B	0.0	0.00	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.24E	0.15E	0.0	0.0	0.0	0.00
29	0.0		0.0	0.0	0.0	0.0	0.132	0.0	0.57E	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.0	0.01	0.0
31	0.0		0.0		0.0		0.108	0.02		0.0		0.20E
TOTAL	0.03	0.26	0.0	0.45	0.00	0.26	2.88	4.87	1.64	1,55	0.16	1.44
STA AV	0.25	0.60	0.71	0.25	0.11	0.09	3.23	4.06	1.19	0.45	0.24	0.73

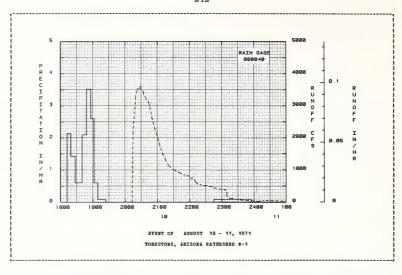
HOTES: Data are Thiessen weighted averages of values from 90 gages. STA AV are for 4 yr only (1968-71).

197	1	MEAN DAIL	Y DISCHAR	GE (cfs)			TOMB	STONE, ARI	ZONA WATE	RSHED W-1		
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25E	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.84E	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2-02E	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170.15E	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.14E	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.39	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.56E	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61, 19	0.51	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22. 18E	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	3.09	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	25.48E	0.24	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.028	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.54	0.0	0.00	0.0	0.0	0.0
30	0.0		0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.00		0.0		0.0
BEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.939	10.447	0.053	0.065	0.0	0.0
ENCHES	0.0	0.0	0.0	0.0	0.0	0.0	0.019	0.209	0.001	0.001	0.0	0.0
TA AV	0.0	0.0	0.0	0.0	0.0	0.0	0.021	0.085	0.005	0.000	0.0	0.0

NOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.000645. STA AV are for 5 yr omly (1966, 1968-71). Previously published data are being reevaluated.

71 SEL	ECTED BUNOF	P BVBNT					E, ARIZO			
ANTECEDI	ENT CONDIT	IONS			INPALL			RUNO	PP	
	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EAE			11, 1971				
	000040			RG 000	0040		8-10	2013		
8-10	0.0	0.0	8-10	1812 1819	0.0 2.1428	0.0 0.25	8-10	2013	0.0 2218.905	0.0
				1827	1.4250	0.44		2015	3324.083	0.0071
				1840	0.6000	0.57		2023	3549.628	0.0077
				1848	2.1000	0.85		2025	3484.413	0.0148
	CONDITIONS:									
	in desert			1856	3,5250	1.32		2027	3566.028	0.0181
hitethorn,	creosoteb	ush and		1902 1909	2.5998 0.6000	1.58		2028 2029	3533.265 3615.464	0.0196
irbush) wit	th 23% cove ver. 35% i	r and		1924	0.0800	1.67		2030	3516.943	0.0211
rassland wi	th approxi	mately		2245	0.0	1.67		2033	3468-206	0.0274
% grass co	Mer (Crown									
read) and	5% shrub c	OVEL.		2355	0.0857	1.77		2035	3355.842	0.0306
								2040	3198.611	0.0378
								2043 2045	3152.198 3030.126	0.0421
								2045	2631.131	0.0450
									2031.131	3.0312
								2055	2302.896	0.0566
								2100	2054.023	0.0616
								2105	1742.708	0.0658
								2110 2115	1503.959	0.0694
								2113	1324.177	3.0727
								2120	1156.375	0.0754
								2125	1066.729	0.0779
								2130	1009.367	0.0803
								2135	961.312	0.0825
								2140	920,914	0.0846
								2145	876.142	0.0867
								2150	841.110	0.0886
								2152 2156	832.460 832.460	0.0893
								2200	789.875	0.0908
								2202	740.218	0.0929
								2206	740.218	0.0942
								2210	660.965	0.0955
								2215	557.398	0.0969
								2221	543.310	0.0983
								2222	515.658	0.0985
								2232	508.856	0_1008
								2238	475.510	0.1021
								2241	475.510	0.1027
								2250	412.142	0.1045
								2306	379.999	0.1073
								2308	373.456	0.1077
								2310	163.816	0.1079
								2313 2321	118.804	0.1081
								2321	108.325	0.1085
								2325	89.401	0.1087
								2330	73.000	0.1089
								2340	55.000	0.1092
								2350 2400	41.000	0.1094
							8-11	7	22.980	0.1097
								12	34.716	0.1098
								16 18	52.848 52.848	0.1099 0.1099
								32	42.850	0.1102
								101	22.980	0.1106
								101	11.551	0.1106
								203	4.154	0.1109
								231	1.000	0.1109
								308	0.0	0.1109

HOTES: To convert runoff in CFS to IM/HB, multiply by 0.0000269.

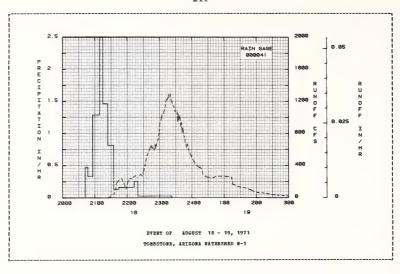


	EST CONDIT				INPALL			RUHOI		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Ho-Day	Time of Day	Intensity (in/hr)	(inches)	Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
					UGUST 18 -					
	G 000081			RG 000	0.0.1					
8-18	0, 16	0.0	8-18	2042	0.0	0.0	8-18	2110	0.0	0.0
				2047	0.4800	0.04		2117	0.087	0.0
				2056	0.3333	0.09		2124	0.406	0.0
				2109	1.2923	0.37		2125	4.611	0.0
				2115	2-4998	0.62		2127	11,551	0.0
FATERSHED	COMDITIONS:			_ /						
	in desert			2124	1.4667	0.84		2130	27.980	0.0
	. creosotek			2135	0.8182	0.99		2135	48.698	0.0001
	th 23% cove			2144	0.1333	1.01		2137	70.231	0.0001
	ver. 35% i			2213	0.1655	1.09		2140	179.885	0.0003
assland w	ith approxi	mately		2220	0-2571	1.12		2145	224.758	0.0008
pread) and	5% shrub c	OVEL.		2242	0.0273	1.13		2150	239.839	0.0013
. ,				2323	0.0293	1.15		2155	169.065	0.0018
								2158	108.325	0.0020
								2201	191.142	0.0022
								2205	244.985	0.0026
								2208	234.753	0.0029
								2212	260.780	0.0033
								2216	277.115	0.0038
								2219	255.455	0.0042
								2220	255.455	0.0043
								2225	293.990	0.0049
								2228	271.610	0.0053
								2230	311.412	0.0056
								2232	366.975	0.0059
								2235	462.481	0.0065
								2237	529.396	0.0069
								2239	557.398	0.0074
								2241	593.396	0.0079
								2244	645.642	0.0087
								2245	622.986	0.0090

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.0000269.

1 SEL	ECTED RUNO	PP EVENT				TOR	BSTOR	E, ARIZO	WA WATERS	ΠΔ <i>ν</i> W−1	
	ENT CONDI	TIONS		RAI	NPALL				RUHO		
Date No-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Ac (inc		Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	AUGUST	18 - 19,	1971	(COM	TINUED)			
								8-18	2246 2247	653.281 615.521	0.0093
									2248	630.492	0.0099
									2250	593,396	0.0105
									2252	668.690	0.0110
									2253	615.521	0.0113
									2255 2258	676.464 740.218	0.0118 0.0128
									2301	936.988	0.0139
									2303	975.123	0.0147
									2305 2307	1033.115	0.0156
									2307	1049.967 1100.000	0.0180
									2312	1204.490	0.0191
									2314	1233.854	0.0201
									2315	1224.023	0.0207
									2317 2318	1283.620 1253.635	0.0218
									2318	1293.697	0.0223
									2322	1213.049	0.0246
									2324	1176.502	0.0257
									2326	1140.367	0.0267
									2328 2329	1126.031 1076.371	0.0278
									2331	1090.476	0.0293
									2333	1069.343	0.0302
									2334	949.239	0.0307
									2335 2336	1048.362 969.360	0.0311
									2337	989.725	0.0319
									2338	1020.624	0.0324
									2340	888.729	0.0332
									2341	939.270 812.364	0.0336
									2344	866.464	0.0348
									2346	750.354	0.0356
									2347	760.469	0.0359
									2348 2351	691.449	0.0362
									2352	672.496	0.0374
									2355	581.771	0.0383
									2400	504.245	0.0396
								8-19	6 14	428.760 375.136	0.0408
									15	380.887	0.0424
									18	358,193	0.0429
									21	292.023	0.0433
									26 34	261.152 250.000	0.0439
									40	250.000	0.0455
									45	264.919	0.0461
									49	268.716	0.0466
									56 104	268.716 264.919	0.0474
									114	253.692	0.0495
									116	168.894	0.0497
									121	153.525	0.0501
									126 131	138.894 130.469	0.0504
									141	118.437	0.0512
									148	102.944	0.0515
									156	77.870	0.0518
									201 219	66.451 52.866	0.0520 0.0525
									234	32.140	0.0528
									259	21.071	0.0531
									352	9.278	0.0535
									521 654	2.590 0.667	0.0537

HOTES: To convert runoff in CFS to IB/HB, sultiply by 0.0000269.



TOMBSTONE, ARIZONA WATERSHED W-2

LOCATION: Cochise County, Arizona: 2-3/4 miles MW of Tombstone, Walnut Gulch, San Pedro Biver, Gila Biver, Colorado Biver Basin.

AREA: 28100.00 acres 43.90 sq. miles

80	BTHL	Y PRECIE	HOITATION	AND RUBO	PP (inche:	5)		T	OMBSTONE,	ARIZONA	WATERS	HED W-	2		
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	HOV	Dec		Annual
1971	P Q	0.03	0.25 0.0	0.0	0.45 0.0	0.00 0.0	0.32 0.0	3.09 0.062	5.07 0.317	1.62 0.008	1.51	0.17	1.4		13.94
TA AV	P Q	0.27 0.0	0.62 0.0	0.69	0.25 0.0	0.11	0.10 0.0	3.19 0.051	4.07 0.117	1.19 0.010	0.44	0.26 0.000	0.7		11.92 0.179
	NEEL	UAL MAXI	HUH DIS	CHARGE (i	n/hr) AND	HAXIHUE	AOTAME	S OF RUBO	OFF (inch	es) POR	SELECTE	D TIME	INTERV	ALS	
	ABBU	UAL MAXI		CHARGE (i	n/hr) AND				OFF (inche				INTERV	ALS	
	PRES		mum arge	1 Hour	2 1	8	aximum 6 Ho	Volume fo		ed Time		1 2 Da	 .ys	8	Days
1971	NUK	Naxi Disch	mum arge Rate	1 Hour Date Vo	2 1	lours Vol.	aximum 6 Ho Date	Volume fours	or Selecte 12 Hours ate Vol.	od Time 1 Date	Interva: Day Vol.	l 2 Da Date	ys Vol.	8 Date	Vol.
1971	ABBU	Baxi Disch Date	mum arge Rate	1 Hour Date Vo	2 H 1. Date 109 8-10	Hours Vol.	aximum 6 Ho Date 8-10	Volume fours	or Selecte 12 Hours 14 Vol.	od Time 1 Date	Interva: Day Vol.	l 2 Da Date	ys Vol.	8 Date	Vol.

NOTES: Natershed Conditions: 55% of area in oak woodland and desert shrubs (whitethorm, creosotebrush, tarbush and mortonia), with a 25% crown spread cover. 45% of area supports grass (black grams, culy mesquite, tobosa, blue grams and sidecats grams), with a basal area of 2.5%, and a shrub cover of approximately 6% crown spread. For topographic, geological and vegetation maps, see pages 63.1-3, 63.1-4, and 63.1-5, respectively of Hydrologic Data for Experimental Agricultural Natersheds in the United States, 1966, 595M hisc. Pub. 1256. Proclipitation Data: records began January 1954. Monthly totals are Thiessen weighted averages from 69 gages, station averages are for 4y conty (1968-71). Enunct Data: Records began July 1959, station averages are based on 1966, 1968-17 data. Temperature Data: See table of daily maximum and minimum value included for Natershed 63.001. For long-time precipitation records, see National Newscapes.

1971	DA	ILY PRECI	PITATION	(inches)			TOBBST	ONE, ARIZ	ONA WATER	SHED W-2		
Day	Jan	Peb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Ho▼	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17E	0.00	0.0	0.0	0.0
2	0.01E	0.0	0.0	0.0	0.0	0.0	0.14E	0.0	0.14E	0.0	0.0	0.0
3	0.02E	0.0	0.0	0.0	0.0	0.0	0.02	0.18E	0.04	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07E	0.0	0.59S
5	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.01E	0.0	0.0	0.058
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.01	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15E	0.0	0.008
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14E	0.10E	0.0	0.0	0.125
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00E
10	0.0	0.0	0.0	0.0	0.0	0.0	0.02	1.27E	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.14E	0.0	0.0
12	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.79	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15B	0.0	0.0	0.0	0.02B
15	0.0	0.0	0.0	0.05E	0.0	0.0	0.0	0.01	0.0	0.01E	0.02E	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.14E	0.03	0.00	0.01E	0.14E	0.0
17	0.0	0.08E	0.0	0.0	0.0	0.0	0:02B	0.0	0.00	0.35E	0.0	0.0
18	0.0	0.04E	0.0	0.20S	0.0	0.0	0.28E	1. 17E	0.73E	0.00	0.0	0.17E
19	0.0	0.00	0_0	0.215	0.0	0.0	0.03	0.00	0.0	0.0	0.0	0.0
20	0.0	0.10E	0.0	0.0	0.0	0.0	0.02	0.19B	0.0	0.0	0.0	0.0
21	0.0	0.038	0.0	0.0	0.0	0.0	0.15	0.08E	0.0	0_0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	1.08E	0.0	0.0	0.0	0.0	0.0
24	0.0	0.01E	0.0	0.0	0.0	0.32E	0.45E	0.43E	0.0	0.63E	0.0	0.0
25	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14E	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.01
27	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.23E	0.0	0.00	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.30E	0.15E	0.0	0.0	0.0	0.00
29	0.0		0.0	0.0	0.0	0.0	0.10	0.0	0.59B	0.0	0.0	0.02
30	0.0		0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.01	0.0
31	0.0		0.0		0.0		0.10	0.00		0.0		0.20B
TOTAL	0.03	0.25	0.0	0.45	0.00	0.32	3.09	5.07	1.62	1.51	0.17	1.44
STA AV	0.27	0.62	0.69	0.25	0.11	0.10	3.19	4.07	1, 19	0.44	0.26	0.73

NOTES: Data are Thiessen weighted averages of values from 69 gages. STA AV are for 4 yr only (1968-71).

1971	1	MEAN DAIL	Y DISCHAR	GE (cfs)			TOMBS	TOBE, ARIZ	OBA WATER	SHED W-2		
Da y	Jan	Feb	äar	Apr	äay	Jun	Jul	Aug	Sep	0ct	Boa	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.11	0.07	0.04	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.05	0.04	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.04	0.04	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.05	0.03	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.04	0.03	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.04	0.03	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.05	0.03	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.04	0.03	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.04	0.03	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180.91E	0.07	0.04	0.03	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.13E	0.06	0.04	0.03	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.43	0.05	0.04	0.03	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.24E	0.05	0.04	0.03	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.05	0.04	0.03	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.05	0.04	0.03	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.05	0.04	0.03	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.05	0.05	0.03	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.35E	7.35	0.04	0.03	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.75E	0.13	0.04	0.03	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.28E	0.08	0.03	0.03	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.558	0.07	0.04	0.03	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.07	0.04	0.03	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	43.36	0.11	0.05	0.04	0.03	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	28.47E	8.58	0.04	0.06	0.03	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.05E	0.18	0.04	0.06	0.03	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.04	0.04	0.03	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.04	0.04	0.03	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.04	0.04	0.03	0.0
29	0.0		0.0	0.0	0.0	0.0	0.84	0.13	0.74	0.04	0.03	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.11	0.08	0.04	0.02	0.0
31	0.0		0.0		0.0		0.0	0.11		0.04		0.0
AN	0.0	0.0	0.0	0.0	0.0	0.0	2.346	12.057	0.334	0.046	0.027	0.0
CHES	0.0	0.0	0.0	0.0	0.0	0.0	0.062	0.317	0.008	0.001	0.001	0.0
A AV	0.0	0.0	0.0	0.0	0.0	0.0	0.051	0.117	0.010	0.000	0.000	0.0

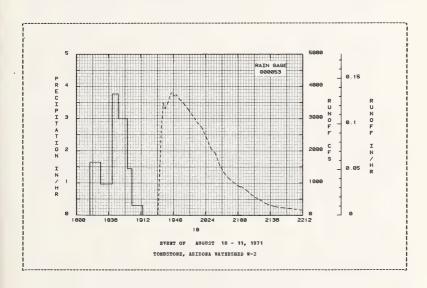
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.000847. STA AV are based on 1966, 1968-71 data.

1 SELE	TED RUNGI	P EVENT				TOMBSTON	z, ARIZONA	WATERSH	ED 9-2	
ANTECEDE	T COMDI	TIONS			NPALL			RUNO	PP	
	ainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVE	HT OF AU	GUST 10 -	11, 1971				
RG	000053			RG 0000	53					
8-10	0.0	0.0	8-10	1815	0.0	0.0	8-10	1931	0.0	0.0
				1827	1.6500	0.33		1935	2716.094	0.0032
				1840	0.9693	0.54		1937	3487.234	0.0066
				1847	3.7714	0.98		1939	3310.398	0.0108
ATERSHED C				1857	2.9999	1.48		1942	3472.315	0.0169
k woodland				1902	1.4401	1.60		1945	3761.520	0.0234
hitethorn,	creosotel	oush,		1914	0.3000	1.66		1947	3808.289	0.0276
rbush, and								1948	3730.510	0.0297
Crown spre	ad of 25%	cover.						1950	3699.631	0.0343
cupy 55% o: maining 45								1951	3761.520	0.0364
lack grama.								1955	3607.800	0.0450
bosa, blue	grassa, as	nd .						2000	3457.428	0.0557
deoats gran								2005	3281.393	0.0655
sal area o	£ 2.5% cor	er,						2010	3082.086	0.0747
d a shrub o								2015	2875.773	0.0837
broximater	6 0% CTOR	spread.						2020	2729.219	0.0918
								2025	2411.002	0.0992
								2030	2078.992	0.1060
								2035	1920.728	0.1118
								2040	1539.961	0.1168
								2045	1301.787	0.1211
								2050	1134.989	0.1246
								2055	1019.865	0.1277
								2100	916.946	0.1306
								2103	865.831	0.1321
								2104	882.815	0.1327
								2110	760.205	0.1355
								2115	634.137	0.1376
								2120	540.340	0.1393
								2125	467.007	0.1408

NOTES: To convert runoff in CFS to IM/ER, multiply by 0.0000353.

1 SE	LECTED RUBOR	L DADRY				1080510	WE, ARIZON			
ANTECR	DEST COMDIT	TOWS		RA3	MPALL			RUBO		
Date Bo-Day	Rainfall (inches)	Runoff (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches	Date) Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	AUGUST	10 - 11,	1971 (C	ONTINUED)			
							8-10	2130	373.198	0.1421
								2135	318.178	0.1431
								2140	272.738	0.1440
								2145	247.500	0.1448
								2150	227.602	0.1455
								2200	197.759	0.1468
								2215	153.008	0.1483
								2230	123.350	0.1495
								2300	79.818	0.1513
								2331	51.378	0.1525
								2400	33.610	0.1532
							8-11	30	21.138	0.1537
								100	13.588	0.1540
								130	9.138	0. 1542
								202	6.192	0.1543
								259	3.593	0.1545
								459	1.828	0.1547
								850	0.680	0.1549
								1149	0.357	0.1550
								2400	0.075	0.1551

BOTES: To convert runoff in CFS to IB/HR, multiply by 0.0000353.



TORBSTONE, ARIZONA WATERSHED W-3

LOCATION: Cochise County; 1.3 miles morth of Tombstone; tributary of Walnut Gulch; Sam Pedro Biver, Gila Biver, Colorado Biver Basin.

AREA: 2220.00 acres 3.47 sq. miles

MO	NTHLY	PRECIE	HOLTATION	AND RUNO	FF (inche	s)		3	OMBSTON	ARIZON	WATERS	HED M-3		
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.02 0.0	0.28	0.0	0.36 0.0	0.0 0.0	0.13	3.06 0.091	4.93 0.497	1.55 0.012	1.66	0.18	1.37 0.0	13.53 0.599
STA AV	P Q	0.50 0.0	0.39 0.0	0.44	0.16 0.0	0.08 0.0	0.21 0.0	3.42 0.028	3.18 0.125	1.33 0.028	0.50 0.0	0.40	0.79 0.0	11.41 0.180
	AHNU	AL MAXI		CHARGE (i	n/hr) AND					hes) FOR			INTERVAL	S
		Disch Date		1 Hour Date Vo		Bours Vol.	6 Ho Date		12 Hours ate Vol		Day Vol.	2 Da Date	ys Vol. D	8 Days ate Vol.
1971		8-10	0.464	8-10 0.:	275 8-10	0.312	8-11	0.320 8	3-11 0.3	320 8-11	0,320	8~10	0.320 8	-10 0.426
						MAXIMUMS	FOR PE	RIOD OF	RECORD					
		8-16 1958	0.580	8-10 0.: 1971	275 8-10 1971		8-11 1971		3-11 0.3	320 8-11 1971	0.320	8-10 1971		-10 0.426

NoTES: Watershed conditions: Vegetative cover; Desert shrubs (whitethorn, creosotebush, and tarbush) with a crom spread approximately 30% and grasses with basal area of approximately 0.8% cover occupy 55% of the area. Grasses (black grams, curly mesguite, tobosa) with basal area of 2.6% cover and shrub cover of 25 courty the rewaining 45% of the area. For topography, geologic and vegetation maps, see pages 63.1-3, 63.1-4 and 63.1-5 of Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1966, USAD Missc. Pub. 1226. Precipitation Data: Records began 1955. Monthly totals are Thiessen weighted averages of 13 gages, station averages are based on record period (1955-171). Rumoff Data: Records began 1956, station averages are based on record period (1956-171). Tumoff Data: Records began 1956, station averages are based on record period (1956-171). Tumoff Data: Records began 1956, Attion averages are based on record period (1956-171). Tumoff Data: Records began 1956, Attion averages are based on record period (1956-171). Tumoff Data: Records Tombotome, Artiona.

1971	Dâ	ILY PRECI	PITATION	(inches)			TORBST	ONE, ARIZ	ONA WATER	SHED W-3		
Day	Jan	Peb	Har	Apr	May	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.01	0.0	0.0	0.0
2	0.01E	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	0.10E	0.0	0.0	0.0
3	0.00E	0.0	0.0	0.0	0.0	0.0	0.00	0.11	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08E	0.0	0.56S
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.055
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.08E	0.0	0.0	0.11E
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005
10	0.0	0.0	0.0	0.0	0.0	0.0	0.14	1.31	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.11E	0.0	0.0
1 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.0	0.02E
15	0.0	0.0	0.0	0.04E	0.0	0.0	0.0	0.01	0.0	0.0	0.04E	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.05E	0.00	0.0	0.00	0.13E	0.0
17	0.0	0.15E	0.0	0.0	0.0	0.0	0.02	0.0	0.00	0.40E	0.0	0.0
1 18	0.0	0.05E	0.0	0.185	0.0	0.0	0.07E	1.08	0.88E	0.0	0.0	0.18E
1 19	0.0	0.0	0.0	0.145	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
20	0.0	0.065	0.0	0.0	0.0	0.0	0.0	0.07E	0.0	0.0	0.0	0.0
21	0.0	0.02	0_0	0.0	0.0	0.0	0.12	0.26E	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	1.12E	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.13E	0.67E	0.43	0.0	0.64E	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19E	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.01
27	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.32	0.0	0.01	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0_0	0.07E	0.02	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.24	0.0	0.47B	0.0	0.0	0.01
3.0	0.0		0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.01	0.0
31	0.0		0.0		0.0		0.09	0.0		0.0		0.20
TOTAL	0.02	0.28	0.0	0.36	0.0	0.13	3.06	4.93	1.55	1.66	0.18	1.37
STA AV	0.50	0.39	0.44	0.16	0.08	0.21	3.42	3.18	1.33	0.50	0.40	0.79

NOTES: Data are Thiessen weighted averages from 13 rain gages. STA AV are based on record period (1955-71).

197	1	HEAN DAI:	LY DISCHAI	RGE (cfs)			TOBBS	TORE, ARI	ONA WATE	RSHED W-	3	
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Boa	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.850E	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001E	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.819E	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.044E	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.596E	1.081E	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002E	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.033	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	4.551	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	3.919E	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AH	0.0	0.0	0.0	0.0	0.0	0.0	0.2732	1.4950	0.0361	0.0	0.0	0.0
CHES A AV	0.0	0.0	0.0	0.0	0.0	0.0	0.091	0.497 0.125	0.012 0.028	0.0	0.0	0.0

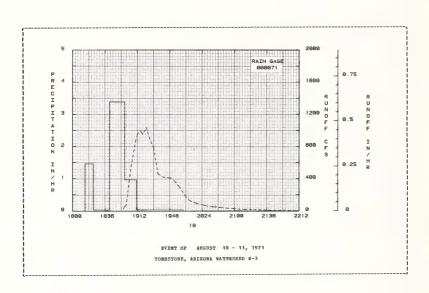
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.010722. STA NV based on record period (1958-71).

1 SELECTED BUNOFI						, ARIZON			
ARTECEDEST CONDITI				EMPALL	_		RUNO		_
Date Rainfall Ho-Day (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
		EVE	T OF A	JGUST 10 -	11, 1971				
RG 000071			RG 0000	071					
8-10 0.0	0.0	8-10	1814	0.0	0.0	8-10	1853	0.0	0.0
			1823	1.4666	0.22		1855	0.437	0.0
			1841	0.0333	0.23		1857	40.026	0.0003
			1858	3.3882	1. 19		1900	84.969	0.0017
			1911	0.9693	1.40		1903	369.830	0.0065
ATERSHED CONDITIONS: getative Cover: Desc	ert		2003	0.0346	1.43		1905	551.339	0.0137
rubs (whitethorn, cre							1908	733-284	0-0283
sh, and tarbrush) wit	th.						1910	864-261	0.0395
crown spread approxim							1912	942.752	0.0537
% and grasses with be							1915	1000.000	0.0757
ea of approximately (1313	10001000	0.0137
ver, occupy 55% of th							1918	952.187	0.0961
asses (black grama, c							1922	1039-115	0.1256
squite, tobosa) with							1925	919.350	0.1478
sal area of 2.6% cove							1930	780, 187	0-1804
d shrub cover of 2% o							1935	459.198	0.2031
e remaining 45% of the	ie						1940	421-408	0.2192
							1950	406.069	0.2502
							1955	348.043	0.2640
							2000	279.875	0.2761
							2005	185.568	0.2846
							2010	128.754	0.2904
							2015	102.756	0.2948
							2020	84.969	0.2982
							2025	72,283	0.3011
							2030	58.129	0.3036
							2035	50.443	0.3056
							2040	48.014	0.3074
							2045	38.950	0.3091
							2051	32.830	0.3107
							2101	23.891	0.3128

HOTES: To convert runoff in CFS to IB/HR, multiply by 0.000447.

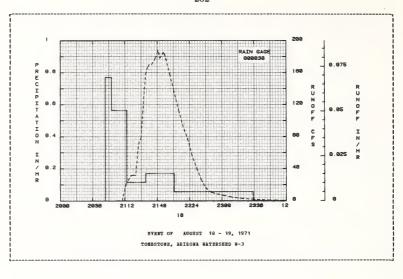
971 SE	LECTED BUNOI	P BABAL				TOBBSTORE	, ARIZON	WATERSHED	B-3	
ARTECE			Date		MPALL			RUBOFF		
Date Mo-Day				Time of Day	Intensity (in/hr)	Acc.	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
						4074 4001				
			EVENT OF	AUGUST	10 - 11,	1971 (CO	TIMUED)			
							8-10	2111	17.805	0.3143
								2141	8.438	0.3172
								2211	4.157	0.3186
								2242	1.852	0.3193
								2344	0.281	0.3198
								2400	0.047	0.3198
							8-11	52	0.0	0.3198

BOTES: To convert runoff in CFS to IM/SE, multiply by 0.000447.



Date Mo-Day 8-18	RET COMDITE Bainfall (inches)	PIONS Runoff (inches)	Date Bo-Day	RA: Time of Day	INPALL Intensity	Acc.		RUNOI		
Date Mo-Day 8-18	Rainfall (inches)	Runoff		Time	Intensity	No.				
8-18					(in/hr)	(inches)	Date No-Day		Rate (cfs)	Acc. (inches)
8-18										
8-18			EVE	NT OF A	UGUST 18 -	19, 1971				
ATERSHED				RG 000						
	0.53	0.0	8-18	2050	0.0	0.0	8-18	2102	0.0	0.0
				2057	0.7714	0.09		2106	0.161	0.0
				2114	0.5647	0.25		2109	0.217	0.0
				2135 2207	0.1143 0.1688	0.29 0.38		2112 2114	15.098 23.083	0.0002
	CONDITATORS.			2201	0. 1000	0.30		2114	23.003	0.0003
	cover: Des			2302	0.0545	0.43		2117	28.166	0.0011
	tethorn, cr			2335	0.0545	0.46		2119	31.866	0.0016
sh, and t	arbrush) wi	ith						2124	31.866	0.0028
Crown Spr	ead approxi	imately						2127	70.791	0.0040
% and gra	sses with h	basal						2130	78.422	0.0057
ea of app	roximately	0.8%						2132	112.367	0.0070
	ack grama,							2135	158.084	0.0101
eanite t	obosa) with	curry						2137	165.335	0.0124
squite, t	of 2.6% cov	i a						2139	170.271	0.0150
	over of 2%							2142	170-271	0.0189
	ng 45% of t									
ea.								2147	180.387	0.0253
								2149	188.190	0.0282
								2151	177.827	0.0308
								2155	185.568	0.0362
								2157	180.387	0.0391
								2202	158.084	0.0453
								2207	135.224	0.0507
								2212	112.367	0.0555
								2217	91.856	0.0592
								2222	76.862	0.0623
								2227	55.500	0.0648
								2232	40.026	0.0666
								2237	26.410	0.0678
								2242	15.751	0.0686
								2247	10.952	0.0691
								2252	8.911	0.0695
								2302	6.284	0.0701
								2312	4. 157	0.0705
								2322	2.750	0.0708
								2337	1.306	0.0710
								2352	0.530	0.0711
							0.40	2400	0.281	0.0711
							8-19	7 25	0.115	0.0711

HOTES: To convert runoff in CFS to IN/HR, multiply by 0.000447.



TOMBSTONE, ARIZONA W-4

LOCATION: Cochise County, Arizona; 2 miles north of Tombstone; Walnut Gulch, San Pedro River, Gila River, Colorado River Rasin.

AREA: 560.00 acres

	ONTHL	PRECIP	ITATION	AND RUNOI	F (inche	s)			TOEB	STONE,	ARIZONA	W-4		
		Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Noa	Dec	Annual
1971	P Q	0.01	0.30	0.0	0.39 0.0	0.0	0.16	3.57 0.284	5.16 0.841	1.68 0.051	1.69	0.17	1.42	14.54 1.175
STA AV	P Q	0.46	0.38	0.46	0.16 0.0	0.08	0.23	3.35 0.371	3.23 0.164	1.35 0.030	0.50	0.39	0.77	11.37 0.566
	ABBE	Haxi Disch Date	mum arge	CHARGE (in 1 Hour Date Vol	2		aximum 6 Ho	Volume fo	or Select	ed Time		1	ys	8 Days
1971		8-10	0.711	8-10 0.3				0.386 8-		6 8- 9	0.386	8- 8	0.391 8-	5 0.665
						1.100	7-19		-19 1.10	0 7-19	1.630	7-19	1.630 7-	

NOTES: Watershed conditions: Vegetative cover: 100% dominated by desert shrubs (whitethorn, crossotebash, and tarbush) with a crown spread of approximately 30% and an understory of grasses with approximately 0.6% bacal cover, the state of the state of

1971	DI	AILY PRECI	PITATION	(inches)				TOBBSTON	E, ARIZONA	W-4		
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.01	0.0	0.0	0.0
2	0.01	0.0	0.0	0.0	0.0	0.0	0.12E	0.0	0.11E	0.0	0.0	0.0
3	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	0.57S
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.055
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.07E	0.0	0.0	0.11E
9	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.22	1.45	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.10	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.288
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.01B
15	0.0	0.0	0.0	0.04E	0.0	0.0	0.0	0.01	0.0	0.0	0.04B	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.05B	0.0	0.0	0.00	0.13E	0.0
17	0.0	0.16	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.42	0.0	0.0
18	0.0	0.03	0.0	0.215	0.0	0.0	0.07	1.11	0.948	0.0	0.0	0.20
19	0.0	0.0	0.0	0.145	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0
20	0.0	0.07S	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
21	0.0	0.04	0.0	0.0	0.0	0.0	0.15	0.35	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	1.35E	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.16E	0.718	0.36	0.0	0.63	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01
27	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.29	0.0	0.01	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.02	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.31	0.0	0.568	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.00	0.0
31	0.0		0.0		0.0		0.09	0.0		0.0		0.20
TOTAL STA AV	0.01	0.30 0.38	0.0	0.39 0.16	0.0	0.16 0.23	3.57 3.35	5.16 3.23	1.68	1.69 0.50	0.17	1.42

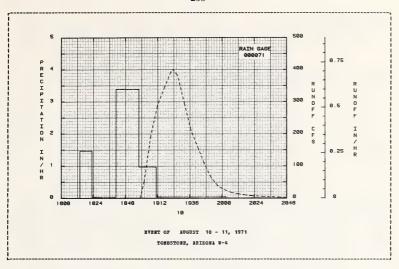
BOTES: Data are Thiessen weighted averages of values from three gages. STA AV are for record period (1955-71).

197	1	BEAR DAIL	LY DISCHAI	GE (cfs)				TORBSTON	B, ARIZON	N-4		
Day	Jan	Feb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	How	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.046	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.106	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.087	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.457E	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.076	1.195B	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	3.493	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	3.185	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AN	0.0	0.0	0.0	0.0	0.0	0.0	0.2154		0.0398	0.0	0.0	0.0
CHES		0.0	0.0	0.0			0.284	0.841	0.051	0.0	0.0	0.0
A A V	0.0	0.0	0.0	0.0	0.0	0.0	0.371	0.164	0.030	0.0	0.0	0.0

NOTES: To convert mean daily discharge in CPS to IN/DAY, multiply by 0.042503. STA AV based on record period (1955-58) and (1961-71).

1 SELE	CTED RUBOI	FF EVENT				TOE	BSTONE,	ARIZONA W	-4	
ANTECEDE	NT CONDI	TIONS		RA:	INFALL			RUNO		
	Bainfall (inches)	Runoff (inches)			Intensity (in/hr)				Rate (cfs)	Acc. (inches)
			P#P	HT OF AU	JGUST 10 -	11 1971				
			512			,				
8-10 RG	000071	0.0	8-10	BG 0000		0.0	8-10	1854	0.0	0_0
8-10	0.0	0.0	8-10	1814	0.0 1.4666	0.0	8-10	1857	0.0	0.0
				1841	0.0333	0.22		1859	0-692	0.0
				1858	3.3882	1.19		1902	51,396	0.0023
								1902	197.041	0.0023
ATERSHED C	ONDINIONE			1911	0.9693	1.40		1907	197.041	0.0203
0% of area				2003	0.0346	1.43		1912	289.415	0.0573
sert shrub:				2003	0.0340	1.43		1917	343.489	0.1033
eosotebush								1922	394.602	0. 1569
th a crown								1923	401.414	0.1707
rn a crown promimatel								1927	381, 126	0.2167
derstory o	у ээж апо	an						1927	301.120	0.2107
proximatel	r grasses	ATED						1932	293.896	0.2657
AGL" broximuret	y o.ox na:	541						1937	209.874	0.3023
A CT .								1942	158.298	0.3303
								1947	105.096	0.3494
								1952	62.674	0.3616
								1952	02.074	0.3616
								1957	37.266	0.3692
								2002	25.390	0.3738
								2007	17-168	0.3769
								2012	12.982	0.3792
								2012	9.533	0.3792
								2017	20333	0.5500
								2022	7.000	0.3820
								2032	4.494	0.3837
								2042	2.818	0.3848
								2052	1.342	0.3854
								2107	0.568	0.3858
								2.07	0.500	0.0000
								2127	0.143	0.3860
								2139	0.029	
								2159	0.0	0.3860

NOTES: To convert runoff in CFS to IB/HR, Bultiply by 0.001771.

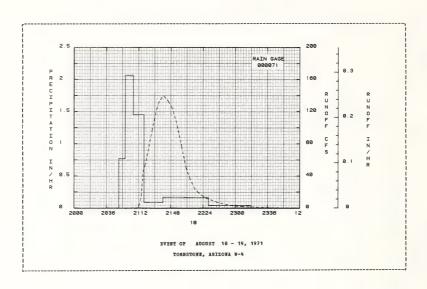


71 S	ELECTED RUNOI	P BVENT				TOE	BSTONE,	ARIZONA W	-4	
ANTEC	EDENT CONDIT				SPALL			RUNO		
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day		Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			BAE	ST OF AU	GUST 18 -	19, 1971				
	RG 000071			BG 0000	71					
8-18	0.24	0.0	8-18	2050	0.0	0.0	8-18	2058	0.0	0.0
				2057	0.7714	0.09		2110	0.275	
				2106	2.0667	0.40		2112	0.359	0.0
				2118	1.4500	0.69		2115	15.446	0.0007
W				2139	0.0857	0.72		2117	45.416	0.0024
	D COMDITIONS:			2204	0.1680	0.79		2120	56.230	0.0070
egert sh	rubs (whitet)	orn.		2230	0.1615	0.86		2123	73.969	0.0129
	ush and tarbo			2317	0.0383	0.89		2125	85.931	0.0173
	own spread of			2011	******	0.03		2127	96.816	0.0230
pprovies	tely 33% and	an						2130	112.988	0.0324
nderstor	v of grasses	with						2130	1122300	0.0324
	tely 0.6% bas							2133	126.324	0.0423
OVEL.								2135	132.689	0.0504
								2137	135, 921	0-0578
								2138	138.094	0.0625
								2140	139.186	0.0023
								2140	139. 100	0.0702
								2145	132,689	0.0909
								2150	123, 191	0.1095
								2155	102-198	0.1259
								2200	76.309	0.1395
								2205	50.044	0.1487
								2210	34.878	0.1549
								2215	23.321	0.1593
								2220	18.051	0.1623
								2225	13.787	0.1646
								2230	11.040	0.1665
								2241	6.660	0.1693
								2255	3,122	0. 1713
								2310	1-546	0. 1713
								2338	0.275	0.1723
								2400	0.275	0.1731
								2400	0.037	0.1132

NOTES: To convert runoff in CFS to IM/ME, multiply by 0.001771.

1971 SE	LECTED RUBOR	P EVENT					TORRSTONE,	ARIZONA N-	1	
AHTECE Date Ho-Day	Rainfall (inches)	TIONS Runoff (inches)	Date Bo-Day	RAI Time of Day	BFALL Intensity (in/hr)	Acc (inch		RUNOF Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	AUGUST	18 - 19,	1971	(CONTINUED)			
							8-19	5 118	0.012	0.1732 0.1732

HOTES: To convert runoff in CFS to IN/HE, multiply by 0.001771.



TOMBSTONE, ARIZONA W-6

LOCATION: Cochise County; 3/4 mile north of Tombstone; Walnut Gulch, San Pedro River, Gila River, Colorado River

AREA: 23500.00 acres 36.70 sg. miles

HC	PTHLE	PRECIE	ITATION	AND RU	NOPF (i	nches)				TOMBSTONE,	ARIZOBA	₩-6			
		Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	A	nnual
1971	P Q	0.03	0.24	0.0	0.4				5.01 0.32		1.49 0.0	0.17	1.44		3.98 0.382
TA AV	P Q	0.27 0.0	0.63	0.68	0.2			3.24 0.056	4.09 0.11		0.43 0.0	0.26 0.0	0.74		1.99 0.177
	ANNU	AL MAXI	aus	CHARGE 1 Ho		AND HAN	Maxim			nches) POI		1	INTERV	ALS 8 D	
		Date		Date		Date Vo			Date V		Vol.	Date		Date	
		Date	Rate	Date											
1971		8-10				B-10 0.	155 8-10		8-10 0	.176 8-1	0.176	8-10	0.176	8-10	0.22
1971											0.176	8-10	0.176	8-10	0.22

NOTES: Watershed conditions: Vegetative cover: Oak woodland and desert shrubs (whitethora, creosotebush, tarb280 0 mortonia) occupy approximately 055 of area, with a crown spread of 255 cover. The cranising 555 of the area supr69320 as quasic sover (plack grams, curly seeguate, toboas, blue grams, and sideouts grams) with a basal area of 2.55 co559000 and a shrub cover of approximately 6% crown spread. For topographic, seelogic and weptative mapps, see pages 63 70 00 1966, USDA Risks: Pub. 1226. Prochipitation Data: Records began 1962. Monthly totals are Thiesen weighted aver175200 of values from 57 gages, station averages are based on 1968-1971 record period. Namoff Data: Records began 000000 1962, station averages based on 57 of data (1966, 1968-71). Teeporature Data: See table of daily marism anadomous minimum values included for Watershed 63.001. For long-time precipitation records, see National Weather Service000000

1971	DA	ILY PRECI	PITATION	(inches)				TOMBSTOR	E, ARIZON	A W-6		
Day	Jan	Feb	Har	Apr	Ħay	Jun	Jul	Aug	Sep	0ct	HOA	Dec
1	0.0 .	0.0	0.0	0.0	0.0	0.0	0.0	0.15E	0.00	0.0	0.0	0.0
2	0.01B	0.0	0.0	0.0	0.0	0.0	0.15E	0.0	0.14E	0.0	0.0	0.0
3	0.02E	0.0	0.0	0.0	0.0	0.0	0.02B	0.18E	0.05	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07E	0.0	0.59
. 5	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.0	0.05
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.01	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14E	0.0	0.01
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16E	0.10B	0.0	0.0	0.12
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
10	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1.27E	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.14E	0.0	0.0
12	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.73	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0 - 0	0.0	0.0	0.0	0.0	0.0	0.25
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16E	0.0	0.0	0.0	0.02
15	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.01	0.0	0.01E	0.02	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.16E	0.03	0.00	0.008	0.15E	0.0
17	0.0	0.06E	0.0	0.0	0.0	0.0	0.02E	0.0	0.0	0.34E	0.0	0.0
18	0.0	0.04E	0.0	0.208	0.0	0.0	0.33E	1.18E	0.73B	0.00	0.0	0.17
19	0.0	0.00	0.0	0.225	0.0	0.0	0.02	0.00	0.0	0.0	0.0	0.0
20	0.0	0.105	0.0	0.0	0.0	0.0	0.02	0.182	0.0	0.0	0.0	0.0
21	0.0	0.035	0.0	0.0	0.0	0.0	0.18	0.05E	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	1.06E	0.0	0.0	0.0	0.0	0.0
24	0.0	0.013	0.0	0.0	0.0	0.36B	0.41E	0.41E	0.0	0.63E	0.0	0.0
25	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12E	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.02
27	0.0	0.0	0.0	0.0	0.0	0.0	0.12B	0.228	0.0	0.00	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.34E	0.18B	0.0	0.0	0.0	0.00
29	0.0		0.0	0.0	0.0	0.0	0.08	0.0	0.60E	0.0	0.0	0.02
30	0.0		0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.01	0.0
31	0.0		0.0		0.0		0.10	0.01		0.0		0.20
OTAL	0.03	0.24	0.0	0.46	0.00	0.36	3.14	5.01	1.63	1.49	0.17	1.44
TA AV	0.27	0.63	0.68	0.26	0.11	0.11	3.24	4.09	1.17	0.43	0.26	0.74

NOTES: Daily precipitation are Thiessen weighted averages of values from 57 gages. STA AV based on 4 yr only 000000 (1968-71).

197	1	BEAF DAIL	Y DISCHAR	GE (cfs)				TOBBSTOR	E, ARIZON	A W-6		
Da y	Jan	Feb	Har	Apr	Бау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C.O	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	173.498	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54E	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.68	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.66E	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	C. 0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.87E	5.66	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.38E	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.98	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	41.39E	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	6.73E	4.81E	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.36	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	2.43	0.168	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	1.85E	0.0	2.57	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	0.0	0.0	0.0	0.0	0.0	0.0	1.691	10.210	0.274	0.0	0.0	0.0
NCHES	0.0	0.0	0.0	0.0	0.0	0.0	0.053	0.321	0.008	0.0	0.0	0.0
TA AV	0.0	0.0	0.0	0.0	0.0	0.0	0.056	0.113	0.008	0.0	0.0	0.0

NOTES: To convert mean daily discharge in CFS to IB/DAY, multiply by 0.001013. STA AV based on record period 000000 (1966, 1968-71).

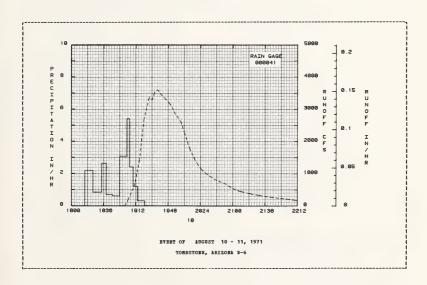
	CEDENT CONDI				BFALL			RUNC		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Eo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
				ST OF AU	GUST 10 -	44 4074				
			DVD			11, 1971				
	RG 000041			RG 0000						
8-10	0.0	0.0	8-10	1815	0.0	0.0	8-10	1853	0.0	0.0
				1824	2.2001	0.33		1855	0.362	0.0
				1834	0.8400	0.47		1900	4.833	0.0
				1839	2.6402	0.69		1905	257.190	0.0005
				1846	0.6857	0.77		1911	677.949	0.0024
	D CONDITIONS			4050		0.85		4046	1408.532	0.0062
	re Cover: Oa			1854	0.6000			1916		
	and desert s			1902	3.0750	1.26		1921	2674.777	0.0133
	orn, creosote			1905	5.3997	1.53		1926	3305.403	0.0237
	mortonia) oc			1909	2.4000	1.69		1927	3365.770	0.0264
	tely 45% of			1914	1.2001	1.79		1930	3281.400	0.0335
	th a crown sp							4000	2522 544	
	over. The re			1922	0.3000	1.83		1933	3537.614	0.0402
	e area suppo			2101	0.0121	1.85		1936	3599-986	0.0478
	ver (black gr							1941	3414.447	0.0599
	guite, tobos							1946	3281.400	0.0720
ana, an	nd sideoats g	rama)						1951	3115.768	0.0831
	cover of 6%							1956	2835.037	0.0934
read.	COVEL OF ON	CLOWN						2002	2607.532	0.1051
reads								2007	2191.460	0.1134
								2012	1772.562	0.1206
								2017	1477.797	0.1262
								2022	1246.740	0.1309
								2027	1072.232	0.1351
								2032	971-121	0.1386
								2037	873.791	0.1418
								2042	791.270	0.1448
								2047	730.547	0.1474
								2053	666-524	0.1504
								2058	574.529	0.1525
								2103	496.521	0.1544
								2108	448.099	0. 1561

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.000042.

	DEST COMDIT				RFALL			RUHOI		
Date Bo-Day	Rainfall (inches)	Runoff (inches)	Date No-Day		Intensity (in/hr)		Date Bo-Day	Time of Day	Rate (cfs)	Acc. (inches
			EVENT OF	AUGUST	10 - 11,	1971 (CO	STIBUED)			
							8-10	2113	417-450	0.1576
								2118	384, 195	0.1590
								2123	358, 208	0.1603
								2128	334.551	0.1615
								2133	307.965	0.1626
								2143	266.460	0.1646
								2154	230.662	0.1665
								2204	194-811	0.1680
								2219	162,331	0.1699
								2235	138.744	0.1716
								2305	76.000	0.1739
								2336	29.895	0.1751
								2400	18.160	0.1755
							8-11	7	15.012	0.1756
								38	8.044	0.1759
								110	3.399	0.1760
								138	1.347	0.1760
								210	0.461	0.1760
								315	0.057	0.1760
								400	0.029	0.1760
								841	0.0	0.1760

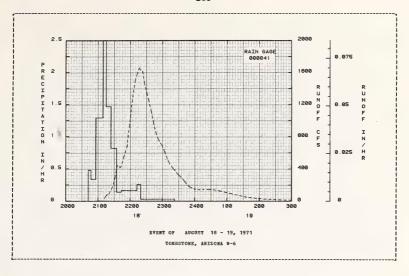
BOTES: To convert runoff in CFS to IB/BB, multiply by 0.000042.

000000



1 SELEC	TED RUNOF	F EVENT				TO	BBSTONE,	ARIZONA	W-6	
	T COMBIT			RAI	MPALL			RUNO		
	ainfall inches)	Runoff (inches)	Date Ho-Day	of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
					GUST 18 -	19. 1971				
20	0000#1					,				
8-18	000041	0.010	8-18	RG 0000	0.0	0.0	8-18	2055	0.029	0.0
				2047	0.4800	0.04		2103	1.347	0.0
				2056 2109	0.3333 1.2923	0.09		2108 2110	1.994	0.0
				2115	2.4998	0.62		2113	2.506 41.242	0.0
ATERSHED CO getative Co	NDITIONS:			2124						
odland and	desert sh	rubs		2135	1.4667 0.8182	0.84		2118 2121	84.183 88.510	0.0002
hitethorn,	creosot∈b	ush.		2144	0.1333	1.01		2123	120.000	0.0006
rbush, mort	onia) occ	пру		2213	0.1655	1.09		2128	180.161	0.0011
proximately ea, with a	Crown spr	ead		2220	0.2571	1.12		2133	321.158	0.0020
25% cover.	The read	aining		2242	0.0273	1. 13		2136	437.810	0.0028
% of the ar	black gra	es a		2323	0.0293	1. 15		2137 2140	441.229 427.594	0.0031
rly mesquit	e, tobosa	, blue						2141	417.450	0.0043
a⊪a, and si th a basal	decats gr	asa)						2142	417.450	0.0046
ver and shr	mp cower							2144	437.810	0.0052
own spread.								2148 2154	544.647	0.0066
								2154	672.227 957.999	0.0092
								2204	1264.792	0.0160
								2209	1495.386	0.0208
								2214	1603.258	0.0262
								2217 2219	1658.691 1630.852	0.0297
								2223	1612.427	0.0366
								2227	1442.945	0.0409
								2231	1337.927	0.0448
								2234	1258.763 1117.258	0.0476
								2244	951.469	0.0517
								2249	822.530	0.0585
								2254	742.500	0.0612
								2259	695.267	0.0637
								2304 2309	616.305 529.990	0.0661
								2314	455.000	0.0698
								2319	414.086	0.0714
								2324	377.646	0.0728
								2329 2335	331.185 294.968	0.0740
								2340	257.190	0.0763
								2345	212,363	0.0772
								2350	177.574	0.0779
								2355 2400	162.331 147.149	0.0785
							8-19	2	141.521	0.0793
							. 17	6	138.744	0.0797
								15	141.521	0.0806
								18 31	144,323	0.0809 0.0822
								35		
								35 46	138.744 125.231	0.0826
								56	110.455	0.0844
								106 137	93.000 46.903	0.0851
								209 237	24.030 15.012	0.0874
								308	9-705	0.0881
								338	6.097	0.0883
								410	3.731	0.0884
								516 612	1.347 0.573	0.0885
								810	0.143	0.0885
								948	0.002	0.0885

NOTES: To convert runoff in CFS to IM/MR, multiply by G.000042.



TORBSTORE, ARIZONA W-8

LOCATION: Cochise County; 1-1/2 miles mortheast of Tombstone; Walnut Gulch, San Fedro River, Gila River, Colorado River Rasin.

AREA: 3830.00 acres 5.98 sq. miles

BC	HTHLY	PRECIE	HOLTATION	AND RUP	OPP (inc	hes)			TOB	BSTONE,	ARIZONA	W-8		
		Jan	Peb	Sar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.02	0.27	0.0	0.51 0.0	0.0 0.0	0.20	2.49 0.051	5.31 0.413	1.64 0.017	1.52 0.0	0.18	1.48	13.62 0.481
TA AV	P Q	0.25	0.68 0.0	0.62 0.0	0.25 0.0	0.10 0.0	0.07 0.0	2.53 0.050	4.31 0.171	1.27 0.015	0.45	0.27 0.0	0.74	11.54 0.236
	VHHO	AL BAX	HUM DIS	CHARGE	(in/hr) A	ND HAXIBUR	VOLUME	S OF RUNC	PF (inch	es) POR	SELECTE	D TIME	INTERVA	T.S.
		Haxi					axisus	Volume fo	r Selecte	ed Time	Interva	1		
		Maxi Disch	arge	1 Hot Date V		2 Hours te Vol.	axisus	Volume fo		ed Time				8 Days Date Vol.
1971		Disch	arge Rate	1 Hot Date V	/ol. Da	2 Hours te Vol.	aximum 6 Ho Date	Volume for ours 1 Vol. Da	r Selecte 2 Hours te Vol.	ed Time	Interva Day Vol.	1 2 Da Date	lys Vol.	8 Days
1971		Disch Date	arge Rate	1 Hot Date V	/ol. Da	2 Hours te Vol. 10 0.148	aximum 6 Hc Date 8-11	Volume for ours 1 Vol. Da	r Selecte 2 Hours te Vol.	ed Time	Interva Day Vol.	1 2 Da Date	lys Vol.	8 Days Date Vol.

NOTES: Watershed conditions: Vegetative cover: approximately 33% of area is dominated by desert shrubs (white-thorm, creosotebush, tarbush) with a crown spread of approximately 30% and an understory of grasses with less than 1% hasal area. The rebasining 67% of the area is dominated by prasses black greams, curly sessively, and the session of the control of the co

1971	DA	ILY PRECI	PITATION	(irches)				TOMBSTOR	E, ARIZON	A W-8		
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11E	0.00	0.0	0.0	0.0
2	0.01E	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.09	0.0	0.0	0.0
3 A	0.01E	0.0	0.0	0.0	0.0	0.0	0.02	0.16	0.01	0.0	0.0	0.0 0.59S
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.08	0.0	0.595 0.05S
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.055
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.00
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.14	0.0	0.0	0.118
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005
10	0.0	0.0	0.0	0.0	0.0	0.0	0.01	1.13	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.138	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.0	0.04E
15	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.00	0.0	0.02E	0.04	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	0.0	0.00	0.15	0.0
17	0.0	0.10	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.34E	0.0	0.0
18	0.0	0.07	0.0	0.13S	0.0	0.0	0.18E	1.47	0.938	0.0	0.0	0.18E
19	0.0	0.0	0.0	0.355	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
20	0.0	0.095	0.0	0.0	0.0	0.0	0.00	0.24E	0.0	0.0	0.0	0.0
21	0.0	0.01	0.0	0.0	0.0	0.0	0.06	0.07B	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0_0	0.0	0.0	0.0	0.0	0.72E	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.20E	0.55E	0.47	0.0	0.652	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13E	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0_0	0.00	0.0	0.0	0.0	0.0	0.01
27	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.41	0.0	0.00	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.15E	0.04	0.0	0.0	0.0	0.00
29	0.0		0.0	0.0	0.0	0.0	0.19	0.0	0.46B	0.0	0.0	0.02
30	0.0		0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.00	0.0
31	0.0		0.0		0.0		0.08	0.0		0.0		0.19E
TOTAL	0.02	0.27	0.0	0.51	0.0	0.20	2.49	5.31	1.64	1.52	0.18	1.48
STA AV	0-25	0.68	0.62	0.25	0.10	0.07	2.53	4.31	1.27	0.45	0.27	0.74

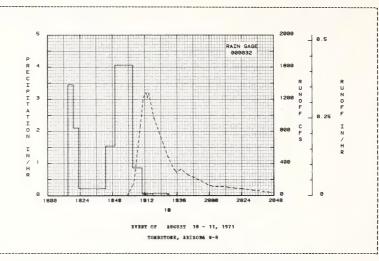
NOTES: Data are Thiessen weighted averages from 17 rain gages. STA AV are based on 1968-71 data.

197	11	MEAN DAI	LY DISCHA	RGE (cfs)				TOBBSTO	MB, ARIZO	NA W-8		
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Boa	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
i ż	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
i 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
i 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
i ė	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 9	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.593E	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 12	0.0	0.0	0_0	0.0	0.0	0.0	0.0	11.340	0.0	0.0	0.0	0.0
1 13	0.0	0.0	00	0.0	0.0	0.0	0.0	0.474B	0.0	0.0	0.0	0.0
1 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2148	2.770E	0.0	0.0	0.0
1 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.288E	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	4.453B	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	3.8322	4-228B	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.275B	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0-0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.7		0.0
I BEAR	0.0	0.0	0.0	0.0	0.0	0.0	0.2673	2.1423	0_0923	0.0	0.0	0_0
INCHES	0.0	0.0	0.0	0.0	0.0	0.0	0.051	0.413	0.017	0.0	0.0	0.0
STA AV	0-0	0.0	0.0	0.0	0.0	0.0	0.050	0.171	0.015	0.0	0.0	0.0

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.006215. STA AV are based on 5 yr only (1966, 1968-71).

71 SI	ELECTED RUNO	PP BVBBT					BBSTORE,	ARIZONA	W-8	
ANTEC	EDENT COEDI	TIONS		RA3	NPALL			RUNG		
Date	Rainfall		Date	Time	Intensity	Acc.	Date		Rate	Acc.
Ho-Day	(inches)	(inches)	Ho-Day	of Day	(f.n/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			200	M OB 31	IGUST 10 -	11 1071				
			212			11, 15/1				
	RG 000032			RG 0000						
8-10	0.0	0.0	8-10	1815	0.0	0.0	8-10	1859	0.0	0.0
				1819	3.4501	0.23		1904	150.662	0.0017
				1823	2.1000	0.37		1909	891.032	0.0128
				1843	0.2100	0.44		1911	1220.271	0.0213
				1850	1.5428	0.62		1913	1282.542	0.0327
	CONDITIONS									
	cover: Ap			1903	4.0617	1.50		1914	1213.448	0.0377
mately 33	3% of the ar	ea is		1910	0.8571	1.60		1915	1275.544	0.0440
ominated	by desert s	hrubs		1930	D. 0600	1.62		1919	962.392	0.0632
	n, creosote	bush,						1924	729.002	0.0812
	with a crown							1929	496,344	U.0942
	approximate									
	understory							1934	322.693	0.1033
rasses wi	ith less than	n 1%						1936	286.013	0.1058
asal area	. The rema	ining						1939	331.198	0.1099
	area is do							1944	259.271	0.1162
y grasses	s (black gran	na,						1949	220.335	0.1215
	quite, sideo: th a basal a							1954	182.044	0. 1258
	tn a pasar a: 6. intersper:									
								1959	135.000	0.1292
	ubs with a about 5%.	CLOAD						2003	112.919	0.1313
breag or	about 5%.							2005	110.335	0.1323
								2009	112.919	0.1342
								2014	102.814	0.1365
								2019	91.028	0.1387
								2024	84.395	0. 1406
								2034	62.754	0.1438
								2044	43.664	0.1461
								0054		0.4420
								2054	34.000	0.1478
									26.365	0.1491
								2114	21.226	0.1501
								2124	16.560	0.1509
								2134	12.221	0.1515
								2204	4.275	0.1526
								2234	0.608	0.1529
								2300	0.0	0.1529

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.000259.

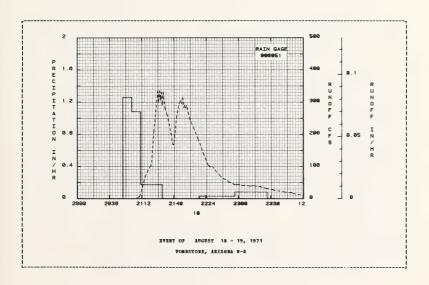


71 SE	LECTED RUNOR	TRAFA 3				T(DEDOTURE,	ARIZONA	H-8	
ANTECE	DENT COMDIT	PIONS		RA	IMPALL			RUNO		
	Rainfall (inches)	Rumoff (inches)	Date Mo-Day	of Day	Intensity (in/hr)	Acc.	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
					86837 18 -					
	RG 000051		D V B	76 880		13, 1371				
8-18	0_82	0.059	8-18	2051	0.0	0.0	8-18	2106	0.0	0.0
0-10	0.02	0.053	010	2101	1.2600	0.21	0-10	2109	6-067	
				2111	1.0801	0.39		2110	6.567	0.0
				2135	0.1750	0.46		2113	36-015	0.0003
				2216	0.0	0.46		2116	68,250	
ZATEDCHED.	COMDITIONS:			2210	0.0	0.40		2110	00.230	0.0010
	cover: App			2256	0.0300	0.48		2121	97.989	0.0028
	% of the are			2332	0.0833			2123	105-283	
	by desert sh							2126	216.979	0.0057
	n, creosoteh							2130	335,500	0.0107
	ith a crown							2131	301.995	0.0120
approxi	mately 30% a	and an								
derstory	of grasses	with						2132	335.500	0.0133
	1% basal are							2133	306.070	
e remain	ing 67% of t	the area						2134	331.198	0.0162
dominat	ed by grasse	es						2135	289.960	0.0175
lack gra	ma, curly me	esquite,						2136	331.198	0.0188
ldeoats g	rama) with a	basal								
ea of ab	out 2.5%, in	iter-						2138	282.100	
ersed by	desert shru	ibs						2141	255.579	
	wn spread of	about						2147	167.346	0.0305
i.								2148	167.346	0.0312
								2151	251.915	0.0340
								2154	297-950	0.0376
								2156	306.070	0.0400
								2157	293.939	
								2158	314.314	
								2159	282.100	
								0000	200 000	0.0053
								2200	289.960	
								2201	282.100 289.960	
								2202 2206	289.960	
								2206		
								2211	213.653	0.0572
								2216	179.046	0.0616
								2221	140.108	
								2226	105, 283	
									97.989	
								2231	100.383	

HOTES: To convert runoff in CFS to IE/HE, multiply by 0.080259.

Date	BMT COMDI:	rions Runoff	Date		NPALL Intensity		Date	RUBOR	F Rate	
Ho-Day	(inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)			(cfs)	Acc. (inches)
			EVENT OF	AUGUST	18 - 19,	1971 (CO)	ETT WITE DA			
			21201 01	100001	,	1371 (00)	,			
							8-18	2236	82.255	0.0717
								2241	66.385	0.0733
								2251	49.515	0.0758
								2256	42.953	0.0768
								2257	44.379	0.0770
								2259	43.664	0.0774
								2300	44.379	0.0776
								2301	44.379	0.0778
								2305	40.138	0.0785
								2307	41.539	0.0788
								2312	39.443	0-0797
								2316	40.138	0.0804
								2317	40.138	0.0806
								2320	38.750	0.0811
								2323	38.750	0.0816
								2326	35,340	0.0820
								2331	31.855	0.0827
								2341	25.703	0.0839
								2351	20.610	0.0849
								2400	17.903	0.0857
							8-19	1	15.906	0.0858
								16	10.000	0.0866
								31	5-130	0.0871
								46	2.490	0.0873
								101	0.789	0.0874

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.000259.



TOMBSTONE, ARIZONA W-11

LOCATION: Cochise County; 4-1/3 miles northeast of Tombstone; Walnut Gulch, San Pedro Biver, Gila River, Colorado Biver Basin.

AREA: 2035.00 acres 3.18 sq. miles

HO	NTBLY	PRECIP	ITATION	AND RU	HOPP (i	nches	5)				TOMBS	TONE, I	ARIZONA	W-11			
		Jan	Peb	Bar	Apr		Вау	Jun	Jul	At	1g	Sep	Oct	Bo≜	Dec	1	nnual
1971	P Q	0.02	0.28	0.0	0.6		0.0	0.23	2.15			1.66 0.035	1.41	0.18	1.5		3.59 0.438
TA AV	P Q	0.27 0.0	0.66	0.62	0.2		0.11 0.0	0.08	2.49 0.09			1.21 0.022	0.43	0.29 0.0	0.7		1.66 0.314
	ANNU	AL MAXI		CHARGE	(in/hr)	AND							SELECTE		INTERV	ALS	
		Disch Date	arge	1 Ho Date		2 B Date		6 H	ours	12 E	Nol.	1	Day Vol.	2 D	ays Vol.		Vol.
1971		8-18	0.211	8-18	0.099	8-18	0.106	8-18	0.107	8-18	0.173	8-18	0.173	8-17	0.173	8-12	0.291
							AXIMUMS	FOR P	ERIOD OI	BECC	DED						
		9-11	0.520	9-10	0.620	9- 9	0.750	9- 9	0.770	9- 9	0.970	9- 9	0.970	9-10	1.460	9- 8	1.700

NOTES: Watershed conditions: Approximately 20% of the area dominated by desert shrubs (whitethorm, crossotobush, tarbush) with a crown spread of approximately 30% and has understory of grasses with a basal area of less than 1%. The remaining 80% of the area supports a grass cover (black grass, curly mesquite, sideoats grass) with a basal series of the state of the st

1971	DA	ILY PRECI	PITATION	(inches)				TORBSTOR	ARIZON	N-11		
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0
2	0.00	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.09	0.0	0.0	0.0
3	0.02E	0.0	0.0	0.0	0.0	0.0	0.03	0.18	0.01	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.618
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05S
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.00
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.19	0.0	0.0	0.11E
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005
10	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.86	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.13E	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.05E
15	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.032	0.02	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0_07E	0.0	0.0	0.0	0.16	0.0
17	0.0	0.09	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.29E	0.0	0.0
18	0.0	0.10	0.0	0.09E	0.0	0.0	0.24	1.69	0.87	0.0	0.0	0.19E
19	0.0	0.0	0.0	0.52E	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
20	0.0	0.105	0.0	0.0	0.0	0.0	0.01	0.32	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.01	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0-42	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.23	0.51	0.42	0.0	0.65E	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11E	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
27	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.38	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.03	0.0	0.0	0.0	0.01
29	0.0		0.0	0.0	0.0	0.0	0.21	0.0	0.49	0.0	0.0	0.03
30	0.0		0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.06	0.0		0.0		0.19E
TOTAL	0.02	0.28	0.0	0,62	0.0	0.23	2.15	5.46	1.66	1.41	0.18	1.58
STA AV	0.27	0.66	0.62	0.29	0.11	0.08	2.49	4.44	1.21	0.43	0.29	0.77

NOTES: Data are Thiessen weighted averages of 10 rain gages. STA AV are for 4 yr only (1968-71).

197	/1	HEAH DAI	LY DISCHA	RGE (cfs)				TOBBSTON	B, ARIZON	A R-11		
Day	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9882	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.424	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.777E	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.069E	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.819E	2.966	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.010E	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1. 185	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.009	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.081	3.385	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.640	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.062	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AH	0.0	0.0	0.0	0.0	0.0	0.0	0.0029	1.1063	0.1009	0.0	0.0	0.0
CHES	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.401	0.035	0.0	0.0	0.0

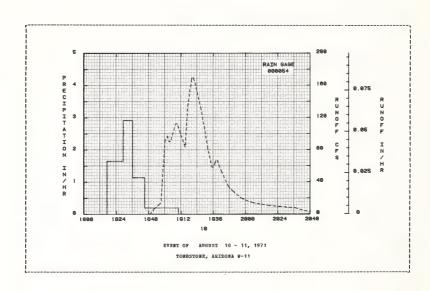
ENTES: To convert mean daily discharge values in CFS to IM/ DAY, multiply by 0.011696. STA AV values are for 5 yr only (1966, 1968-71).

1 S	BLECTED RUNG	PF EVENT				TOP	BSTONE,	ARIZONA B	-11	
	BDENT CONDI				NPALL			RUNC		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVB	HT OF A	GUST 10 -	11, 1971				
	BG 000054			RG 0000	154					
8-10	0.0	0.0	8-10	1817	0.0	0.0	8-10	1849	0.0	0.0
		•••		1829	1.6500	0.33	0 10	1852	6.584	0.0001
				1836	2.9142	0.67		1857	14, 131	0.0005
				1845	1, 1333	0.84		1900	90-120	0.0018
				1910	0.1920	0.92		1902	97-210	0.0032
	D COMDITIONS e cover: Ap							1903	90-120	0.0039
telv 2	0% of the ar	ea is						1904	90-120	0.0048
	by desert s							1908	112,350	0.0081
	rn, creosoth							1909	112.350	0.0090
	with a crown							1915	83.345	0.0138
	approximate							1313	03:343	0.0130
	and an unde							1917	134.549	0.0155
	s with basal							1920	169.537	0.0193
	han 1%. The							1921	169.537	0.0206
	80% of the							1922	165.819	0.0219
	a grass cove							1927	129.509	0.0281
	grama) with							1932	81, 155	0.0323
ret of	about 2.5% i	nter-						1935	58,475	0.0340
	ith desert s							1936	58.475	0.0344
	less than 5							1938	66.722	0.0355
OWE COM								1939	66.722	0.0360
								1942	53.409	0.0375
								1947	34.767	0.0393
								1952	26.186	0.0405
								1957	19.635	0.0415
								2002	15.709	0.0422
								2007	13,400	0.0428
								2017	10.562	0.0438
								2027	8.905	0.0446
								2037	7.445	0.0453
								2109	2.127	0.0465

NOTES: To convert runoff in CPS to IN/HR, multiply by 0.000487.

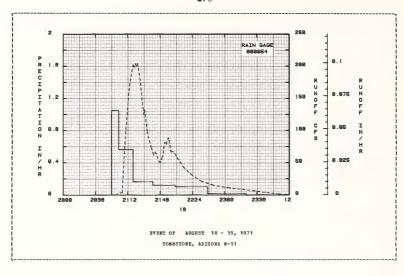
'1 S	ELECTED RUSOI	PF EVENT				TO	BSTORE,	ARIZOBA 8-	11	
ABTEC	EDENT COMDIS	TIONS			BPALL			RUNOR	P	
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day		Rate (cfs)	Acc. (inches)
			EVENT OF	AUGUST	10 - 11,	1971 (CO	STINUED)			
							8-10	2138	0.374	0.0468
								2207	0.032	0.0468
								2225	0.0	0.0468
							8-11	1525	0.0	0.0468
								1526	16.333	0.0469
								1532	15.709	0.0477
								1535	15,099	0.0481
								1540	14.131	0.0487
								1545	13.037	0.0493
								1550	11.609	0.0498
								1600	8.905	0.0506
								1610	6.300	0.0512
								1620	2. 127	0.0515
								1632	1.308	0.0517
								1640	0.709	0.0518
								1650	0.214	0.0518
								1702	0.032	0.0518
								1712	0.0	0.0518

HOTES: To convert runoff in CFS to IH/HR, multiply by 0.000487.



	LECTED RUNOR						BSTORE,	ARIZONA W	-11	
ANTECE	DENT CONDIC	CIONS		RAI	BPALL			RUNO		
Date	Rainfall	Runoff	Date	Time	Intensity		Date	Time	Rate	Acc.
Ho-Day	(inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	no-Day	of Day	(cfs)	(inches)
			EVE	HT OF AU	GUST 18 -	19, 1971				
	RG 000054			RG 0000						
8-18	1.45	0.107	8-18	2054	0.0	0.0	8-18	2054	0.0	0.0
				2102	1.0500	0.14		2057	0.032	0.0
				2118	0.5625	0.29		2059	0.288	0.0
				2140	0.1636	0.35		2101	1.680	0.0
. mppcurr	COMPTETONS			2205	0.1200	0.40		2106	4.000	0.0001
	COMDITIONS:			2241	0.1000	0.46		2109	83.345	0.0012
	of the are			2324	0-0140	0.47		2114	169.537	0.0063
	y desert sh							2118	202.098	0.0123
hitethorn	. creosotbu	sh,						2120	198, 180	0.0157
rbash) vi	th a crown	-						2121	204.065	0.0172
	pproximatel							2122	200,136	0.0187
	with basal							2123	204-065	0.0206
	n 1%. The	arca						2126	177.045	0.0250
	0% of the a	Tea						2129	134.549	0.0289
	grass cover							2130	124.570	0.0301
lack gram	ia, curly me	squite,						2	1211313	
leoats gr	awa) with b	asal						2131	132.016	0.0311
	out 2.5% in							2134	94.812	0.0339
	h desert sb							2139	69.650	0.0372
	less than 5%							2141	61.136	0.0382
own cower								2143	66,722	0.0393
								2147	51.000	0.0412
								2149	51.000	0.0421
								2151	61.136	0.0430
								2153	81.155	0.0442
								2154	81.155	0.0448
								2155	79.000	0.0454
								2157	87.827	0.0468
								2158	87.827	0.0475
								2200	66.722	0.0488
								2203	66.722	0.0503
								2214	43-257	0.0552
								2225	28.862	0.0584
								2234	21.042	0.0603
								2249	14, 131	0.0624
								2304	10.908	0.0639
								2334	5.798	0.0659
								2400	1.000	0.0666
							8-19	4	0.584	0.0666
								32	0.061	0.0667
								129		0.0667

HOTES: To convert runoff in CFS to IB/HR, multiply by 0.000487.



TORBSTONE, ARIZONA W-15

LOCATION: Cochise County; 3/4 miles east of Tombstone; Walnut Gulch, San Pedro Biver, Gila Biver, Colorado Biver Basin.

AREA: 5912.00 acres 9.24 sq. miles

80	STHL	PRECIP	HOLTATION	AND RUBO	PF (inche	s)			TOMBS	TONE, A	RIZONA F	1-15			
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec	1	annual
1971	P Q	0-06 0-0	0.27	0.0	0.52 0.0	0.0	0.36		4.79 0.211	1.70 0.0	1.52 0.0	0.17 0.0	1.53 0.0		4.32 0.356
STA AV	P Q	0.39 0.0	0.54	0.46 0.0	0.19 0.0	0.15 0.0	0.15 0.0		3.68 0.145	1.35 0.017	0.27 0.0	0.26	1.32		12.39 0.203
		TAT BAYT	HIN DIS	UNDCP (4	n/hr\ AND	HAVTHDE	WOT THE P	OF BUROS	P (inch	e) POP	CPIPCTPI		784666	. 7 C	
	ANN	Maxi Disch	mus arge	1 Eour	2	Hours	aximum V		Selecte	d Time	Interval Day	l 2 Da	ys	8 1)ays
	ANNI	Maxi Disch Date	mum arge Rate	1 Hour	l. Date	Hours Vol.	aximum 1 6 Hou Date 1	folume for 12 fol. Dat	Selecte Hours Vol.	d Time	Interval Day Vol.	2 Da Date	ys Vol.	8 I Date	Ŷol.
1971	ABBU	Maxi Disch	mum arge Rate	1 Hour	1. Date	Hours Vol.	aximum 1 6 Hou Date 1	70lume for 1270l. Dat 10.194 8-1	Selecte Hours Vol.	d Time	Interval Day Vol.	2 Da Date	ys Vol.	8 I Date	Ŷol.
1971	ABBI	Maxi Disch Date	mum arge Rate	1 Hour	1. Date	Hours Vol.	aximum 1 6 Hou Date 1	folume for 12 fol. Dat	Selecte Hours Vol.	d Time	Interval Day Vol.	2 Da Date	ys Vol.	8 I Date	Ŷol.

NOTES: Watershed conditions: Vegetative cover: Desert shrubs (whitethorm, creosotebush, tarbush) occupy 78% of the area with a crown spread of approximately 30% and an understory of grassees of less than 1% basal area. 22% of the area is in grass cover (black grass, obboss grass, blue grass, sideoats grass, and curly peopuring of approximately 2% basal area. For topographic, geologic, and vegetation maps, see pages 63.1-3, 63.1-4 and 63.1-5, respectively, of Mydrologic bat for Experimental Agricultural Watersbeds in the United States, 60, USDA Misc. Pub. 1226. Precipitation Data: Records began January 1965. Monthly totals Thiessen weighted averages of 15 rain gages. Bunoff Data: Records began January 1965. Station averages for precipitation and runoff based on 1965-1971 record period. Temperature Data: For table of Gaily saximum and siminum values, see information included for Matershed 63.001. Por long-time precipitation records, see Bational Weather Service records at Tombstome, Arizona.

1971	D	ILY PRECI	PITATION	(inches)			TOMBSTONE,	ARIZONA	W-15			
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22E	0.00	0.0	0.0	0.0
2	0.02	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.26	0.0	0.0	0.0
3	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.10	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.665
5	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.00	0.0	0.0	0.058
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.04E	0.0	0.0	0.15s
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.025
10	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1.43	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.12B	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23E
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.01E
15	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.02	0.0	0.01E	0.01	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.09	0.00	0.00	0.158	0.0
17	0.0	0.05	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.45B	0.0	0.0
18	0.0	0.04	0.0	0.28S	0.0	0.0	0.30	1.05	0.52	0.00	0.0	0.17E
19	0.0	0.00	0.0	0.175	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
20	0.0	0.145	0.0	0.0	0.0	0.0	0.00	0.02	0.0	0.0	0.0	0.0
21	0.0	0.03	0.0	0.0	0.0	0.0	0.00	0.02	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	1.83	0.0	0.0	0.0	0.0	0.0
24	0.0	0.01E	0.0	0.0	0.0	0.36E	0.29	0.32	0.0	0.66E	0.0	0.0
25	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12B	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.02
27	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.15	0.0	0.00	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.22	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.00	0.0	0.77E	0.0	0.0	0.01
30	0.0		0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.00	0.0
31	0.0		0.0		0.0		0.15	0.02		0.0		0.22E
TOTAL	0.06	0.27	0.0	0.52	0.0	0.36	3.40	4.79	1.70	1.52	0.17	1.53
STA AV	0.39	0.54	0.46	0.19	0.15	0 15	3.63	3.68	1. 35	0.27	0.26	1.32

NOTES: Data are Thiessen weighted averages of 15 rain gages. STA AV are based on 7 yr record period (1965-71).

197	11	BEAN DAI	Y DISCHAR	RGE (cfs)				TOMBSTON	S, ARIZON	A W-15		
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0-0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
3 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0028	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.203E	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.549B	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.611	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	32.566B	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	2.655E 0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.003E	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0-474	0.0	0.0	0.0	0.0	0.0
29 30	0.0		0.0	0.0	0.0	0.0	0.404	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SEAN	0.0	0.0	0.0	0.0	0.0	0.0	1.1646	1.6892	0.0	0.0	0.0	0.0
NCHES	0.0	0.0	0.0	0.0	0.0	0.0	0.145	0.211	0.0	0.0	0.0	0.0
STA AV	0.0	0.0	0.0	0.0	0.0	0.0	0.041	0.145	0.017	0.0	0.0	0.0

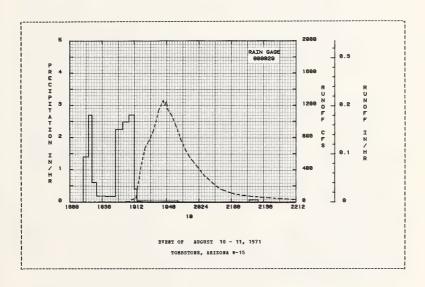
HOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.004026. STA AV are based on 7 yr record period (1965-1971).

Bo-Day RG 8-10	HT COMDI' Bainfall (inches) 000029 0.0	FIOHS Runoff (inches)	Date Bo-Day EVB	Time of Day	INPALL Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNC Time of Day	Rate	Acc. (inches)
RG 8-10	000029 0.0	(inches)	Ho-Day EVB	of Day	(in/hr)	(inches)				
8-10 ATERSHED Co	0.0	0., 0			GUST 10 -	11, 1971				
8-10 ATERSHED Co	0.0	0.0	8-10	RG 0000						
ATERSHED Co		0.0	8-10		029					
getative c				1815	0.0	0.0	8-10	1816	0.0	0.0
getative c				1821	1.4001	0.14		1827	0.462	0.0
getative c				1825	2.7000	0.32		1829	0.572	0.0
getative c				1830	0.5999	0.37		1832	0.572	0.0
getative c				1840	0.1800	0.40		1844	0.059	0.0
				1851	0.1636	0.43		1856	0.003	0-0
	ethorn, c			1859	2.2500	0.73		1859	0.279	0.0
sh, tarbus				1906	2.4857	1.02		1903	4.052	0.0
sn, tarbus	п, оссару	/0 M OI		1912	2.6998	1.29		1907	4-417	0.0
				1915	0.4000	1.31		1909	24.895	0.0001
roximatel: lerstory o	y sum and	an with		1915	0.4000	1.31		1909	24.033	0.0001
ss than 1%				2001	0.0261	1.33		1914	51, 160	0.0006
the area :				2120	0.0	1.33		1919	409-621	0.0039
ver (black				2130	0.0600	1.34		1924	670.778	0.0113
ie grama,								1929	771-626	0.0212
corly me	squite) of	Ē						1934	904.833	0.0333
roximatel:	y 2% basal	area.						1939	1135.263	0.0473
								1939	1258-652	0.0473
								1944	1202.412	0.0638
								1946	1246.053	0.0775
								1948	1153.403	0.0775
								1949	1133.403	0.0814
								1954	1064.021	0.0967
								1959	926.959	0.1104
								2004	771.626	0.1226
								2009	646.611	0.1324
								2014	550.252	0.1406
								2019	481.032	0.1480
								2024	413.665	0.1542
								2029	336.748	0.1594
								2034	289.271	0.1639
								2039	235, 531	0. 1675

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.000168.

	DENT CONDIT				MPALL		D-4-	RUNOI	Rate	Acc.
Date Mo-Day	Rainfall (inches)	Runoff (inches)		Time of Day	Intensity (in/hr)	(inches)	No-Day		(cfs)	(inches)
			EVENT OF	AUGUST	10 - 11,	1971 (CO	HTINUED)			
							8-10	2044	188.010	0. 1.704
								2049	151.851	0.1728
								2054	131.706	0-1748
								2059	113,135	0.1765
								2104	96-113	0.1780
								2114	78.782	0.1804
								2124	64.961	0.1824
								2134	55.558	0.1841
								2144	48.340	0.1855
								2154	40.405	0.1868
								2204	34.390	0.1879
								2219	27.872	0.1892
								2234	22.102	0.1902
								2304	13.408	0.1917
								2334	7.994	0.1926
								2400	5.620	0.1931
							8-11	д	4.800	0.1932
								105	1.534	0.1937
								204	0.462	0.1939
								314	0.059	0.1940
								414	0.0	0.1940

HOTES: To convert runoff in CFS to IB/EB, multiply by 0.000168.



SABTA ROSA, NEW MEXICO WATERSHED W-1

LOCATION: Guadalupe and Quay Counties; 30 miles east of Santa Rosa; Alamogordo Creek, Tributary of Pecos River.

AREA: 42880.00 acres 67.00 sq. miles

80	NTHLY	PRECIP	HOLTATION	WAD SANO	PF (inche	s)		S	ANTA ROSA,	BEW HI	XICO WAS	ERSHED	9-1	
		Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Noa	Dec	Annual
1971	P Q	0.13 0.0	0.23	0.10 0.0	0.33	0.38 0.000	0.50 0.0	1.82 0.003	2.97 0.090	1.58	1.31 0.004	1.04	0.60 0.0	11.00 0.099
STA AV	P Q	0.21 0.0	0.19	0.31	0.59	1.12 0.028	1.54 0.017	3.15 0.040	2.39 0.035	1.48 0.035	1.36 0.005	0.42 0.0	0.28 0.0	13.05 0.160
	ABBU	AL BAXI		BARGE (i	n/hr) AND				OFF (inche				IBTERVAL	S
		Disch Date	arge	1 Hour Date Vo		Hours Vol.		urs	12 Hours ate Vol.	1	Day		ys Vol. D	8 Days ate Vol.
1971		8- 8	0.024	8-8 0.	024 8- 8	0.045	8- 8	0.071 8	- 8 0.07	8-8	0.076	8- 7	0.088 8	- 3 0.085
						MAXIMUMS	FOR PE	RIOD OF	RECORD					
		5-29 1969	0.034	5-29 0. 1969	031 5-29 1969		5-29 1969		-29 0.10 8	5-29 1969	0.110	6- 1 1969		- 5 0.122 969

NoTES: Watershed conditions: Grazing land, about 75% of the area is grassland, vegetation consisting of blue grama, galleta, buffalo and ring subly. Remaining 25% of area is pinon, juniper, and various shubs, with some grasses interrepresed. Bonthly precipitation and values are finessen weighted averages of 49 Tain gages. For contour map of vatershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1959, USDA Misc. Pub. 1370, p. 64,001-3. Precipitation and runoff records began in 1955, STAL Wassed on 4 yr 1658-711, previously published data are being reevaluated. For long-time precipitation records, see Mational Weather Service records at Santa Ross, 840 Medico.

1971	DA	ILY PRECI	PITATION	(Inches)			DARTA	ROSA, NEW	BEATCO W	ALEESEED	=	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	λug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.00	0_0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.22
2	0.0	0.0	0.105	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.07
3	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.03	0.0	0.0	0.0
4	0.055	0.0	0_0	0.0	0.0	0.0	0_0	0.03E	0.0	0.0	0.0	0.0
5	0.085	0.0	0.0	0.0	0.0	0.0	0.0	0.55E	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.03E	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.01	0.0	0.00	0.82E	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.28E	0.0	0.0	0.62E	0.0	0.0	0.0	0.04
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13E	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.03	0.01	0.00	0.12E	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.04	0.00	0.0	0.06E	0.0	0.00	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.08	0.0	0.0	0.0	0.01
15	0.0	0.0	0.0	0.23E	0.0	0.0	0.0	0.0	0.0	0.0	0.50E	0.0
16	0.0	0.0	0_0	0.00	0.0	0.00	0.0	0.0	0.0	0.0	0.44E	0.0
17	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.0	0.0	0.06E	0.09B	0.0
18	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.09B	0.01	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.00	0.14E	0.0	0.04E	0.19E	0.0	0.0
20	0.0	0.07E	0.0	0.0	0.0	0.04	0.35E	0.0	0.0	0.0	0.0	0.0
21	0.0	0.16E	0.0	0.0	0.0	0.00	0.0	0.0	0.20	0.0	0.00	0.0
22	0.0	0.00	0.0	0.0	0.0	0.0	0.04	0.18E	0.06	0.01	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.08E	0.29E	0.94	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.05E	0.07B	0.00	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58E	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.478	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.40E	0.0	0.0	0.0	0.01	0.0
28	0.0	0.0	0.0	0.0	0.02E	0.0	0.152	0.0	0.0	0.0	0.0	0.11
29	0.0		0.0	0.0	0.0	0.0	0.05E	0.0	0.01E	0.00	0.0	0.15
30	0.0		0.0	0.0	0.0	0.41E	0.01	0.0	0.21E	0.0	0.0	0.0
31	0.0		0.0		0.0		0.518	0.0		0.0		0.0
TAL	0.13	0.23	0.10	0.33	0.38	0.50	1.82	2.97	1.58	1.31	1.04	0.60
A AV	0.21	0.19	0.31	0.59	1.12	1.54	3.15	2.39	1.48	1.36	0.42	0.28

NOTES: Daily values are Thiessen weighted average amounts from 49 raim gages. Precipitation records began in 1955. STA AV are based on 4 yr (1968-1971).

19	71	BEAR DAI:	LY DISCHA	RGE (cfs)			SANTA	ROSA, NE	W MEXICO	WATERSHED	W-1	
Da y	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.32	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.63	0.0	0.0	128.83	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.23	0.0	0.0	11.26	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.05	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.09	1.36	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.08	0.0	0_0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.49	0.0	0.0
. 27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	00	0.02	0.0	0.0	0.0
31	0.0		0.0		0.0		4.77	0.0		0.0		0.0
EAN	0.0	0.0	0.0	0.0	0.0280	0.0	0.1542	5.2213	0.0836	0.2565	0_0	0.0
NCHES	0.0	0.0	0.0	0.0	0.000	0.0	0.003	0.090	0.001	0.004	0.0	0.0
TA AV	0.0	0.0	0.0	0.0	0.028	0.017	0.040	0.035	0.035	0.005	0.0	0.0

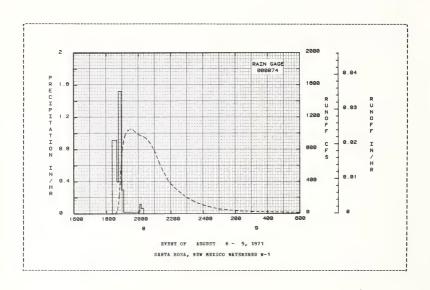
NOTES: To convert mean daily discharge in CPS to IM/DAY, multiply by 0.000555. Bunoff records began in 1955. STA AV based on 4 yr (1968-1971).

ANTECEDENT CONDIT				NFALL			RUNC		
Mo-Day (inches)	(inches)	No-Day	of Day	Intensity (in/hr)	(inches)	Ho-Day	of Day		
				GUST 8 -					
		2.2			.,				
RG 000074 8-8 0-0	0.001	8- 8	RG 0000	0.0	0.0	8- 8	1600	0.401	0.0
8-8 0.0	0.001	8-8	1822	0.9176	0.26	8- 8	1710	0.401	0_0
			1845	0.9176	0.26		1800	0.320	0.0
			1856	1.5274	0.58		1801	0.320	0.0
			1904	0.3000	0.58		1810	0.320	0.0
WATERSHED CONDITIONS:			1904	0.3000	0.62		1810	0.495	0.0
Grazing land, about 75			2004	0.0200	0.64		1822	0.546	0.0
he area is grassland.			2009	0-1200	0.65		1824	0.657	00
egetation consisting	of blue		2018	0.0667	0.66		1829	1. 147	0.0
rama, galleta, buffal	o and						1834	9.801	00
ing muhly. Remaining	25%						1839	30.071	0.0
of area is pinon, juni	per,								
nd various shrubs, wi							1841	52.598	0.0
ome grasses intersper	sed.						1843	92.000	00001
							1845	129.849	0.0002
							1847	210.895	0.0003
							1849	269.294	0.0005
							1851	377,992	0.0007
							1853	513.641	0.0011
							1855	615,998	0.0015
							1857	712.468	0.0020
							1859	789.569	0.0025
							1901	836.230	0.0032
							1903	880.823	0.0038
							1905	915.949	0.0045
							1909	973-656	0.0060
							1914	1006.930	0.0079
							1919	1033,217	0.0099
							1924	1044.591	0.0119
							1929	1056.031	0.0139
							1933	1056.031	0.0155
							1939	1048,396	0.0180

NOTES: To convert runoff in CFS to IM/MR, multiply by 0.0000231.

SELECTED	RUNOPP EVENT				SANTA	ROSA, NEW M	BXICO MY	BRSHED W-1	
ASTECEDEST C				NFALL			RUMO		
Date Bainf Mo-Day (inch		Date Ho-Day		Intensity (in/hr)		Date s) No-Day		Rate (cfs)	Acc. (inches)
		EVENT OF	AUGUST	8 - 9	1971 (CONTINUED			
		2.722. 01	200001	,	1371 (CONTINUED			
						8-8	1949	1014.406	0.0220
							1959	988.374	0.0258
							2009	973,656	0.0296
							2019	959.058	0.0334
							2030	933.784	0.0374
							2040	894.788	0.0409
							2050	839.617	0.0443
							2100	776.492	0.0474
							2110	690.732	0.0502
							2120	607.333	0.0527
							2130	537,635	0.0549
							2140	474.573	0.0568
							2150	412.149	0.0585
							2200	370.887	0.0600
							2215	318.906	0.0620
							2230	277, 240	0.0637
							2245	237-853	0.0652
							2300	198.133	0.0665
							2330	145.700	0.0685
							2400	107-453	0.0700
						8- 9	30	78,787	0.0711
							100	57,680	0.0719
							130	94.744	0.0725
							200	36.308	0.0730

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.0000231.



NEWELL, SOUTH DAKOTA WATERSHED W-2

LOCATION: Butte Co., South Dakota, 33 mi. HE of Newell, Sand Creek, South Moreau River Watershed.

AREA: 115.00 acres

1 80	DHTHL	Y PRECIP	ITATION	AND RUNO	FF (inch	es)		NE	WELL, SC	UTH DAKO	raw an	ERSHED W	I-2	
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec	Annual
1971	P Q	0.77 0.0	0.50 0.0	0.22 0.915	2.34 0.043	2.31 0.0	1.27 0.0	0.55 0.0	0.37 0.0	1.72 0.006	2.85 0.016	0.63 0.0	0.23 0.0	13.76 0.980
STA AV	P O	0.25	0.26	0.42 0.197	1.22	2.08 0.080	3.07 0.077	1.79 0.133	0.95	1.06	0.56	0.34	0.26	12.26 0.580

NOTES: Watershed conditions: 100% rangeland; Condition classes: excellent - 19%; good - 64%; fair - 17%; Degree of grazing: moderate. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Histor. Pub. 34%, p. 65.2-4. Precipitation from rain gayes =22. Principation and runoff records began January 1956. Precipitation and runoff x8% AV based on 14 yr (1956-71) record period. For long-time precipitation records, see Mational Feather Service records at Newell, South Dakota.

1971	Dā	ILY PRECI	PITATION	(inches)			NEWELL	, SOUTH D	AKOTA W	ATERSHED W	-2	
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.095	0.0	0.0	0.0	0.0	0.0	0.0	1.02	0.0	0.0
1 2	0.0	0.048	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.68	0.0	0.0
j 3	0.0	0.148	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 4	0.0	0.01S	0.0	0.0	0.0	0.42	0.0	0.0	1.25	0.0	0.0	0.0
į 5	0.0	0.04S	0.06	0.0	0.0	0_0	0.0	0.0	0.22	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.105
7	0.0	0.018	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.035
1 8	0.025	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
j 9	0.035	0.0	0.0	0.0	0.12	0.0	0.0	0.08	0.0	0.0	0.0	0.0
10	0.10S	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.025	0.0	0.0	0.0	0.0	0.02	0.24	0.0	0.0	0.0	0.0	0.0
1 12	0.095	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
1 13	0.055	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.02	0.0	0.0	0.0
1 14	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.23	0.0	0.0
15	0.0	0.075	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.085	0.0
16	0.0	0.0	0.0	0.0	0.04	0.06	0.0	0.0	0.05	0.01	0.37S	0.0
1 17	0.075	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.41	0.055	0.0
1 18	0.0	0.085	0.0	0.82	0.01	0.0	0.0	0.05	0.0	0.03	0.0	0.0
1 19	0.0	0.068	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.015
20	0.0	0.045	0.0	0.54	0.03	0.0	0.0	0.0	0.02	0.0	0.0	0.028
21	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.025	0.04	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 24	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.025	0.0	0.0	0.03	0.0	0.16	0.10	0.0	0.0	0.0	0.0	0.015
1 26	0. 15S	0.0	0.0	0.20S	0.0	0.0	0.0	0.0	0.16	0_04	0.045	0.065
27	0.0	0.0	0.0	0.085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.085	0.0	0.0	0.00	0.0	0.17	0.0	0.0	0.0	0.045	0.045	0.0
29	0.105		0.0	0.02	0.29	0.0	0.0	0.12	0.0	0.125	0.025	0.0
30	0.045		0.0	0.0	0.76	0.0	0.0	0.11	0.0	0.0	0.025	0.0
31	0.0		0.058	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.025	0.0
TOTAL	0.77	0.50	0.22	2.34	2.31	1.27	0.55	0.37	1.72	2.85	0.63	0.23
STA AV	0.25	0.26	0.42	1.22	2.08	3.07	1.79	0.37	1.06	0.56	0.34	0.26
L								0.93				

BOTES: Precipitation from rain gage N-2A. STA AV based on 14 yr (1958-71) record period.

197	1	MEAN DAIL	T DISCHARG	E (cfs)			BEWELL	, SOUTH 1	DAKOTA	WATERSHED	R-2	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.072	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.029	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	2.561	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.082	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0
18	0.0	0.0	0.0	0.048	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0-222	0.058	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.126	0.043	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.092	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.304	0.024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.734	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.077	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.198	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.024		0.0		0.0	0.0		0.0		0.0
EAN	0.0	0.0	0.1426	0.0069	0.0	0.0	0.0	0.0	0.0010	0.0025	0.0	0.0
NCBES	0.0	0.0	0.915	0.043	0.0	0.0	0.0	0.0	0.006		0.0	0.0
TA AV	0.006	0.058	0.197	0.021	0.080	0.077	0.133	0.0	0.000		0.0	0.0

NOTES: STA AV based on 14 yr (1958-71) record period. To convert mean daily discharge im CFS to IM/DAY, multiply by 0.20697.

NEWELL, SOUTH DAKOTA WATERSHED W-5

LOCATION: Butte Co., South Dakota, 34 mi. BE of Newell, South Moreau River Watershed.

ARRA: 46.00 acres

HO	HOBIBLY PRECIPITATION AND RUNOFF (inches) MEWELL, SOUTH DAKOTA WATERSHED W-5													
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	BOA	Dec	Appual
1971	P Q	0.68	1.50 0.062	0.16 1.316	1.95 0.038	2.50 0.125	1.75 0.013	0.33 0.0	0.48 0.0	1.52 0.053	4.02 0.169	0.97 0.018	0.18 0.0	16.04 1.794
STA AV	P Q	0.28 0.015	0.40	0.58 0.279	1.52	2.60 0.092	3.96 0.227	1.78 0.053	1.28 0.075	1.07	0.64	0.44	0.38	14.94 0.822

NoTES: Watershed conditions: 100% rangeland; Condition classes: excellent - 7%; 90.0 - 93%; Degree of grazing; moderate; Production of cover: 2392 pounds per acre of oven-dry material. For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 65.3-4. Precipitation from rain gage W-51. Frecipitation and runoff records began January 1958. Precipitation ad runoff records began January 1958. Precipitation ad runoff scale Al Vased on 10 yr (1956-71) record period. For long-time precipitation are cords, see National Weather Service records at Bewell, South Dakota.

1971	DA	ILY PRECI	PITATION	(inches)			NEWELL,	, SOUTH D	AKOTA W	ATERSHED V	1-5	
Day	Jan	Feb	Har	Apr	Нау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.57	0.0	0.0
2	0.0	0.45S	0.0	0.0	0.0	0.0	0.02	0.0	0.0	1.01	0.0	0.0
3	0.0	0.0	0.058	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	1.30	0.0	0.0	0.0
5	0.0	0.0	0.025	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.035
7	0.0	0.275	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.075
8	0.275	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.025	0.0	0_0	0_0	0.48	0.05	0.0	0.12	0_0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.02S	0.0	0.0	0.0	0.0	0.50	0.21	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.035	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.045	0.0
15	0.0	0.06s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.115	0.0
16	0.0	0.0	0.0	0.0	0.03	0.13	0.0	0.0	0.0	0.05	0.425	0.0
17	0.125	0.0	0.0	0.32	0.0	0.05	0.0	0.0	0.0	0.68	0.055	0.0
18	0.0	0.065	0.0	0.05	0.0	0.03	0.0	0.05	0.0	0.11	0.025	0.015
19	0.0	0.025	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015
20	0.0	0.078	0.0	0.55	0.05	0.0	0.0	0.0	0.03	0.0	0.0	0.015
21	0.0	0.025	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.01	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.058	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.058	0.0	0.0	0.03	0.0	0.10	0.10	0.0	0.0	0.0	0.0	0.0
26	0.205	0.405	0.0	0.37s	0.0	0.0	0.0	0.0	0.0	0.01	0.075	0.058
27	0.0	0.155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.0
28	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.035	0.0
29	0.0		0.0	0.02	0.215	0.0	0.0	0.10	0.0	0.0	0.058	0.0
30	0.0		0.0	0.0	0.77	0.0	0.0	0.21	0.0	0.0	0.145	0.0
31	0.0		0.045		0.17		0.0	0.0	0.0	0.24	0. 143	0.0
TOTAL STA AV	0.68	1.50	0.16 0.58	1.95	2.50	1.75	0.33	0.48	1.52	4.02 0.64	0.97	0.18

NOTES: Precipitation from rain gage W-5A. STA AV based on 14 yr (1958-71) record period.

197	1	HEAR DAIL	Y DISCHARG	SE (cfs)			NEWELL	, SOUTH DA	KOTA W	ATERSHED 1	₹- 5	
Day	Jan	Peb	Bar	lpr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.023	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.213	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.100	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.072	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.168	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	6.0	0.0	0.0	0.014	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.771	0.033	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.097	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.033	0.004	0.0	0.0	0.0	0.0	0.0	0.072	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.019	0.019	0.0
20	0.0	0.0	0.278	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.012	0.0
21	0.0	0.0	0.0	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0
22	0.0	0.120	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.062	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.296	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.912	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.052	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.043	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0043	0.0820	0.0024	0.0078	0.0008	0.0	0.0	0.0034	0-0105	0.0012	0.0
INCHES	0.0			0.038	0.125			0.0	0.053		0.018	
STA AV	0.015	0.029	0.279	0.030	0.092	0.227	0.053	0.075	0.009	0.012	0.001	

NOTES: STA AV based on 14 yr (1958-71) record period. To convert mean daily discharge im CFS to IM/DAY, multiply by 0.51743.

BEWELL, SOUTH DAKOTA WATERSHED W-7

LOCATION: Butte Co., South Dakota, 35 mi. HE of Newell, Tributary Trail Creek, South Moreau Watershed.

AREA: 160.00 acres

н	ONTHL	PRECIP	ITATION .	AND RUBO	FF (inch	es)		NB	WELL, SO	OTH DAKO	ra ar	ERSHED W	-7	
		Jan	Peb	Mar	Apr	Hay	Jun	Jul	λug	Sep	Oct	How	Dec	Annual
1971	P Q	0.48	0.74	0.19 1.181	1.78 0.0	2.21	1.69 0.009	0.34 0.0	0.53 0.0	1.51 0.023	3.34 0.058	0.70 0.006	0.11 0.0	13.62 1.277
STA AV	P Q	0.24	0.30 0.015	0.53 0.225	1.28	2.44	3.51 0.088	1.70 0.026	1.15	0.99 0.003	0.57	0.39	0.31	13.42

NoTES: Watershed conditions: 100% rangeland; Condition classes: good - 82%; fair - 18%; Degree of grazing: moderate. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, 805h Misc. Pub. 945, p. 65.7-4. Precipitation from rain gage #-7A. Precipitation and runoff coords began January 1958. Precipitation and runoff sta AV based on 14 yr (1958-71) record period. For long-time precipitation records, see Mational Weather Service records at Newell, South Dabtoa.

1971	DA	ILY PRECI	PITATION	(inches)			NEWBLL	, SOUTH D	AKOTA W	ATERSHED W	1-7	
Da y	Jan	Feb	Har	Apr	Бау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.58	0.0	0.0
2	0.0	0.30S	0.085	0.0	0.0	0.0	0.02	0.0	0.0	0.63	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	1.24	0.0	0.0	0.0
5	0.0	0.0	0.025	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.025
7	0.0	0.085	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.045
8	0.105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.025	0.0	0.0	0.0	0.58	0.07	0.0	0.12	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.20	0.0	0.02	0.0	0.0	0.0	0.0	0.0
11	0.045	0.0	0.0	0.0	0.0	0.33	0.20	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.025	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.055	0.0
15	0.0	0.065	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.115	0.0
16	0.0	0.0	0.0	0.0	0.04	0.30	0.0	0.0	0.0	0.03	0.315	0.0
17	0.125	0.0	0.0	0.36	0.0	0.06	0.0	0.0	0.0	0.59	0.035	0.0
18	0.0	0.035	0.0	0.04	0.0	0.03	0.0	0.05	0.0	0.03	0.0	0.015
19	0.0	0.015	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.015
20	0.0	0.05S	0.0	0.46	0.05	0.0	0.0	0.0	0.03	0.0	0.0	0.015
21	0.0	0.018	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22		0.0	0.0	0_0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.05S	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.03	0.0	0.20	0.10	0.0	0.0	0.0	0.0	0.0
26	0.205	0.105	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.025	0.045	0.025
2 7	0.0	0.105	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.025	0.0
28	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.045	0.0
29	0.0		0.0	0.02	0.20	0.0	0.0	0.17	0.0	0.0	0.035	0.0
30	0.0		0.0	0.0	0.75	0.0	0.0	0.19	0.0	0.0	0.045	0.0
31	0.0		0.045		0.09		0.0	0.0		0.105		0.0
TOTAL	0.48	0.74	0.19	1.78	2.21	1.69	0.34	0.53	1.51	3.34	0.70	0.11
STA AV	0.24	0.30	0.53	1.28	2.44	3.51	1.70	1.15	0.99	0.57	0.39	0.31

HOTES: Precipitation from rain gage W-7A. STA AV based on 14 yr (1958-71) record period.

197	11	BEAR DAIL	Y DISCHAR	GE (cfs)			NEWELL	, SOUTH D	AKOTA	WATERSHED I	1-7	
Day	Jan	Feb	Mar	Apr	Bay	Jun	Jul.	Aug	Sep	0ct	₩ov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.269	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.155	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.060	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	2.749	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.188	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.027	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.087	0.0	0.0
21	0.0	0.0	0.605	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.034	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.027	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0
24	0.0	0.0	0.067	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	3.428	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.255	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.343	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AN	0.0	0.0	0.2561	0.0	0.0	0.0020	0.0	0.0	0.0052		0.0013	0.0
CHES	0.0	0.0	1.181	0.0	0.0	0.009	0.0	0.0	0.023		0.006	0.0
AAV	0.019	0.015	0.225	0.018	0.031	0.088	0.026	0.014	0.003	0.004	0.000	0_0

HOTES: STA AV based on 14 yr (1958-71) record period. To convert mean daily discharge im CFS to IM/DAY, Eultiply by 0.14876.

MEWELL, SOUTH DAKOTA WATERSHED W-12

LOCATION: Butte Co., South Dakota, 9 mi. East of Newell, Belle Fourche River Watershed.

AREA: 90.00 acres

[]	ONT	BLY	PRECIPI	TATION A	ND RUBOR	F (inch	es)		NE	ELL, SO	TH DAKO	A WAT	ERSHED W	-12	
			Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec	Annual
1971	P		0.57 0.0	0.61	0.22 1.457	2.41 0.336	2.40 0.056	2.77 0.261	0.13 0.0	2.60 0.285	2.12 0.360	3.05 0.896	0.63 0.0	0.16 0.0	17.67 3.651
STA AV	P Q		0.29 0.062	0.27 0.048	0.57 0.460	1.48 0.266	2.52 0.727	3.21 0.592	1.52 0.094	1.07 0.063	1.25 0.040	0.65 0.064	0.40 0.009	0.28 0.006	13.51 2.433

NOTES: Watershed conditions: 100% rangeland; Condition classes: good - 94%; fair - 6%; Degree of grazing: moderate. For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Minc. Pub. 945, p. 65.12-4. Precipitation from rain gage W-12A. Precipitation and runoff scords began January 1956. Precipitation and runoff sta Ar based on 14 yr (1958-71) record period. For long-time precipitation records, see Sational Veather Service records at Wewell, South Datota.

1971	DA	ILY PRECI	PITATION	(inches)			NEWELL	, SOUTH D	AKOTA	WATERSHED W	-12	
Day	Jan	Feb	Har	Apr	Hay	Jun	Ju1	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.045	0.095	0.0	0.0	0.0	0.0	0.0	1.20	0.0	0.0
2	0.0	0.01S	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.61	0.0	0.0
3	0.0	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.19	0.03	0.0	1.46	0.0	0.0	0.0
5	0.0	0.0	0.0	0.065	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
6	0.0	0.0	0.038	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.028
7	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.045
8	0.07s	0.045	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
9	0.038	0.085	0.0	0.0	0.10	0.0	0.0	0.02	0.0	0.0	0.0	0.0
10	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.015	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.04	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.10	0.105	0.0
16	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.03	0.03	0.315	0.0
1 17	0.045	0.0	0.038	0.23	0.02	0.32	0.0	0.12	0.01	0.60	0.035	0.0
18	0.07S	0.03S	0.018	0.10	0.0	0.81	0.0	0.18	0.0	0.03	0.02S	0.01S
19	0.0	0.058	0.035	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.018	0.01S
20	0.10S	0.028	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02S
21	0.035	0.035	0.025	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.045	0.03	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.01	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.015	0.09	0.0	0.02	0.10	0.0	0.0	0.0	0.0	0.0
26	0.0	0.265	0.01S	0.43	0.0	0.0	0.0	0.0	0.0	0.04	0.025	0.035
27	0.0	0-02S	0.0	0.07	0.0	0.0	0.0	0.0	0.06	0.015	0.045	0.035
28	0.0	0.035	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.07S	0.045	0.0
29	0.058		0.0	0.04	0.05	0.0	0.0	2.05	0.0	0.105	0.04S	0.0
30	0.105		0.0	0.02	0.96	0.0	0.0	0.05	0.0		0.025	0.0
31	0.05s		0.0		0.03		0.0	0.0		0.0		0.0
TOTAL	0.57	0.61	0.22	2.41	2.40	2.77	0.13	2.60	2.12	3.05	0.63	0.16
STA AV	0.29	0.27	0.57	1.48	2.52	3.21	1.52	1.07	1.25	0.65	0.40	0.28

HOTES: Precipitation from rain gage W-12A. STA AV based on 14 yr (1958-71) record period.

197	1	REAR DAIL	Y DISCHAR	SE (cfs)			HEWBLL,	, SOUTH D	AKOTA	WATERSHED S	1-12	
Day	Jan	Feb	Mar	Apr	day	Jun	Jul	Aug	Sep	Oct	₩ov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.042	0.0	0.0
2	0.0	0.0	0.0	0.106	0.0	0.386	0.0	0.0	0.0	2.382	0.0	0.0
3	0.0	0.0	0.0	0.053	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.026	0.0	0.0	0.0	0.0	1.028	0.0	0.0	0.0
5	0.0	0.0	0.0	0.053	0.0	0.0	0.0	0.0	0.333	0.0	0.0	0.0
6	0.0	0.0	0.0	0.079	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.079	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	2.817	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.601	0.0	0.0	0.0	0.964	0.0	0.0
19	0.0	0.0	0.0	0.318	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.344	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.367	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.560	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.231	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.234	0.212	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.771	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.265	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.185	0.0	0.0	0.0	0.0	1,078	0.0	0.0	0.0	0.0
30	0.0		0.079	0.0	0.189	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.023		0.0	0.0		0.0		0.0
EAN	0.0	0.0	0.1777	0.0423	0.0068	0.0329	0.0	0.0348	0.0454	0.1093	0.0	0.0
NCBES	0.0 0.062	0.0	1.457 0.460	0.336	0.056	0.261	0.0	0.285	0.360	0.896	0.0	0.0

NOTES: STA AV based on 14 yr (1958-71) record period. To convert mean daily discharge in CFS to IM/DAY, multiply by 0.26846.

NEWBLL, SOUTH DAKOTA WATERSHED W-13

LOCATION: Heade Co., South Dakota, 26 mi. East of Newell, South Fork Sulphur Creek, Cheyenne Biver Watershed.

AREA: 160.00 acres

1 80	BTHL	PRECIPI	HOITATION	AND EUNOR	F (inch	es)		NE	WELL, SO	OUTH DAKO	TAW AT	ERSHED W	-13	
1		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	HOW	Dec	Annual
1971	P Q	0.72 0.0	0.46 0.925	0-20 1-060	1.93	2.38 0.004	2.30 0.0	0.96 0.0	0.54	2.17 0.012	3.07 0.027	0.67	0.10	15.50 2.037
STA AV	P Q	0.27	0.27 0.121	0.45 0.299	1.30	2.43 0.296	3.16 0.266	1.50 0.001	1.02	0.97 0.002	0.60	0.35	0.29	12.59

BOTES: Watershed conditions: 100% rangeland; Condition classes: excellent - 8%; good - 67%; fair - 25%; Degree of grazing: moderate. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub 945, p. 65.13-4. Thisses weighted precipitation from gages H-13B and W-13C. Precipitation and ramoff records began January 1958. Precipitation and runoff STA AV based on 14 pr (1958-71) record period. For long-time precipitation records, see Mational Waterber Service records at Bevell, South Dakots.

Peb	Bar									
	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	HOA	Dec
0.0	0.025	0.025	0.0	0.0	0.0	0.0	0.0	1.50	0.0	0.0
0.05S	0.0	0.0	0_0	0.13	0.0	0.0	0.0	0.32	0.0	0.0
0.048	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.19	0.0	0.0	1.66	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0
0.0	0.06S	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.015
0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.025
S 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 0.0	0.0	0.0	0.05	0.28	0.0	0.15	0.0	0.0	0.0	0.0
S 0.0	0.0	0.0	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S 0.0	0.0	0.0	0.0	0.30	0.79	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.02	0.0	0.0	0.0
0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.17	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.06	0.17S	0.0
0.0	0.0	0.0	0.05s	0.0	0.0	0.0	0.02	0.0	0.295	0.0
S 0.02S	0.025	0.27	0.0	0.43	0.0	0.02	0.02	0.73	0.025	0.0
S 0.07S	0.018	0.02	0.02	0.35	0.0	0.19	0.0	0.03	0.015	0.015
0.025	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.025
S 0.01S	0.0	0.22	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.015
s 0.03s	0.025	0.18	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
0.0	0.045	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.02	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.09	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0
0.165	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.08	0.045	0.035
0.045	0.0	0.08	0.0	0.0	0.0	0.0	0.10	0.02	0.015	0.0
0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.015	0.0
										0.0
										0.0
s	0.035		0.19		0.0	0.0		0.16	00 100	0.0
0.46	0.20	1 93	2 38	2 30	0.96	0.54	2 17	2 07	0.67	0.10
		1.30								0.10
s s	0.46 0.27	0.0 0.0 0.03S	0.0 0.05 0.0 0.0 0.03S	0.0 0.05 0.21 0.0 0.0 0.66 0.03S 0.19 0.46 0.20 1.93 2.38	0.0 0.05 0.21 0.0 0.0 0.0 0.66 0.0 0.03S 0.19	0.0 0.05 0.21 0.0 0.0 0.0 0.0 0.66 0.0 0.0 0.03S 0.19 0.0	0.0 0.05 0.21 0.0 0.0 0.0 0.0 0.0 0.66 0.0 0.0 0.07 0.03S 0.19 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.05 0.21 0.0 0.0 0.09 0.0 0.0 0.0 0.66 0.0 0.0 0.07 0.0 0.035 0.19 0.0 0.0 0.0	0.0 0.05 0.21 0.0 0.0 0.09 0.0 0.0 0.0 0.0 0.0 0.66 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.05 0.21 0.0 0.0 0.09 0.0 0.0 0.025 0.0 0.0 0.06 0.0 0.0 0.0 0.025 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.

NOTES: Thiessen weighted precipitation from gages W-13B and W-13C. STA AV based on 14 yr (1958-71) record period.

191	71	BEAR DAIL	Y DISCHAR	GE (cfs)			MEMELL	, SOUTH I	DAROTA	WATERSHED	W-13	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Now	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.161	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.081	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.027	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	6.998	0.0	0.0	0.0	0.0	0.0	0.0	0.020	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.060	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	6.218	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.128	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
SAB	0.0	0.2221	0.2299	0.0020	0.0009	0.0	0.0	0.0	0.0027		0.0	0.0
CHES	0.0	0.925	1.060	0.009	0.004	0.0	0.0	0.0	0.012	0.027	0.0	0.0
VA AV	0.0	0.121	0.299	0.086	0.296	0.266	0.001	0.0	0.002	0.002	0.001	0.0

NOTES: STA NV based on 14 yr (1958-71) record period. To convert mean daily discharge im CFS to IM/DAY, multiply by 0.14876.

BEWELL, SOUTH DAKOTA WATERSHED W-14

LOCATION: Butte Co., South Dakota, 16 mi. SE of Newell, Belle Fourche Biver Watershed.

1071: 35 00 scree

	ORTHL	PRECIP	HOITATION	AND RUNO	FF (inch	es)		NE	WELL, SO	UTH DAKO	TA 41	ERSHED W	-14	
		Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Hov	Dec	Annual
1971	P Q	1.21	0.56 0.0	0.55 1.141	2.67 0.133	2.84 0.120	2,59 0,226	0.22	0.36 0.0	2.71 0.009	3.08 0.132	0.80	0.23 0.0	17.82 1.761
STA AV	P Q	0.46 0.066	0.36 0.046	0.70 0.316	1.87 0.190	2.38 0.232	3.02 0.289	1.81 0.135	0.93 0.015	1.22	0.68	0.48	0.42	14.29

MOTES: Watershed conditions: 100% rangeland; Condition classes: good - 54%; fair - 46%; Degree of grazing moderate. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, 650% Hisc. Pub. 49%; p. 65.1-48. Precipitation from ran angue f-14A. Precipitation and runoff records began January 1958. Precipitation and runoff STA AV based on 14 yr (1958-71) record period. For long-time precipitation records, see Mational Newshelf STA AV based on 14 yr (1958-71) record period. For long-time precipitation records, see Mational Newshelf STA AV based on 14 yr (1958-71) record period.

193	71 DJ	ILY PERCI	PITATION	(inches)			NEWELL	, SOUTH D	AKOTA	ATERSHED W	-14	
Day	Jan	Feb	Mar	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.065	0.0	0.02	0.0	0.0	0.0	0.0	1.59	0.0	0.0
1 2	0.0	0.06S	0.0	0.0	0.06	1.15	0.0	0.0	0.0	0.31	0.0	0.0
1 3	0.0	0.065	0.0	0.0	0.0	0.16	0.0	0.0	0.05	0.0	0.0	0.0
i 4	0.0	0.0	0.0	0.035	0.0	0.0	0.0	0.0	1.75	0.0	0.01S	0.0
5	0.0	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.015	0.0
6	0.0	0.0	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.035
į 7	0.0	0.05S	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.07S
1 8	0.085	0.085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.025	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.025	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.025	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0
1 12	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 13	0.045	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.02	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 19	0.0	0.0
15	0.0	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.04	0.105	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.415	0_0
1 17	0.105	0.0	0.058	0.30	0.0	0.14	0.0	0.0	0.0	0.65	0.035	0.0
18	0.0	0.085	0.135	0.04	0.0	0.08	0.0	0.24	0.0	0.02	0.015	0.0
1 19	0.0	0.07S	0.0	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.085
20	0.275	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.105	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.025	0.03	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.03	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.59	0.18	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.10S	0.75	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
26	0.105	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.085	0.035
27	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.20	0.0	0.045	0.025
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.075	0.0
29	0.075		9.0	0.0	0.05	0.12	0.0	0.0	0.0	0.0	0.02S	0.0
30	0.145		0.078	0.015	0.78	0.0	0.0	0.12	0.0	0.0	0.025	0.0
31	0.235		0.0		0.0		0.0	0.0		0.265		0.0
TOTAL	1.21	0.56	0.55	2.67	2.84	2.59	0.22	0.36	2.71	3.08	0.80	0.23
STA AV	0-46	0.36	0.70	1.87	2.38	3.02	1.81	0.93	1.22	0.68	0.48	0.42

NOTES: Precipitation from rain gage W-14A. STA AV based on 14 yr (1958-71) record period.

197	1	MEAN DAIL	Y DISCHAR	GE (cfs)			BEWELL	, SOUTH D	AKOTA I	ATERSHED !	1-14	
Day	Jan	Feb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.326	0.0	0.0	0.0	0.126	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.009	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.021	0.0	0.0	0.0	0.0	0.0	0.0	0 - 0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.038	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.029	0.0	0.0
19	0.0	0.0	1.603	0.049	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.038	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.122	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	C.037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
BAN	0.0	0.0	0.0541	0.0065	0.0057	0.0111	0.0	0.0	0.0004	0.0063	0.0	0.0
CHES CA AV	0.0 0.066	0.0	1-141 0-316	0.133 0.190	0.120	0.226	0.0 0.135	0.0	0.009	0.132	0.0	0.0

NOTES: STA AV based on 14 yr (1958-71) record period. To convert mean daily discharge im CFS to IM/DAY, multiply by 0.68005.

NEWELL, SOUTH DAKOTA WATERSHED W-15

LOCATION: Butte Co., South Dakota, 16 mi. SE of Jewell, Belle Fourche Biver Watershed.

AREA: 115.00 acres

В	ONTHL	PRECIP:	TATION	AND RUNOI	F (inch	es)		нв	WELL, SO	OTE DAKO	TAW AT	ERSHED W	-15	
		Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Bov	Dec	Annual
1971	P Q	0.70 0.0	0.51 0.0	0.37 1.228	2.32 0.129	3.23 0.150	2.38 0.224	0.23 0.0	0.35 0.0	2.72 0.0	2.77 0.171	0.63 0.017	0.16 0.0	16.37 1.919
STA AV	P Q	0.43 0.055	0.31 0.019	0.65 0.209	1.82 0.225	2.46 0.307	3.02 0.247	1.87 0.144	0.91 0.006	1.20 0.007	0.68 0.012	0.44	0.36 0.0	14.14 1.241

NOTES: Watershed conditions: 100% rangeland; Condition classes: good - 41%; fair - 59%; Degree of grazing:
moderate. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States,
1956-59, 805h misc. Two 945, p. 65.15-4. Precipitation from rain gage W-154. Precipitation and runoff records began
January 1956. Precipitation and runoff STA AV based on 14 xr (1956-71) record period. For long-time precipitation
records, see Ratical Neather Service records at Rewell, South Dabota.

1971	DA	ILY PRECI	PITATION	(inches)			NEWBLL	, SOUTH D	AKOTA W	ATERSHED I	i-15	
Day	Jan	Peb	Bar	Apr	Bay	Jun	Ju1	Aug	Sep	0ct	Nov	Dec
1 1	0.0	0.045	0.055	0.0	0.02	0.92	0.0	0.0	0.08	1.20	0.0	0.0
1 2	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.59	0.0	0.0
1 3	0.0	0.065	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0
1 4	0.0	0.0	0.0	0.028	0.0	0.13	0.0	0.0	1.53	0.0	0.015	0.0
5	0.0	0.085	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0	0.018	0.0
6	0.0	0.0	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.028
7	0.0	0.025	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.045
8	0.085	0.085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
j 9	0.025	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.025	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.025	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0
1 12	0.105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 13	0.045	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.01	0.0	0.0	0.0
1 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0
15	0.0	0.10S	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.02	0.155	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.305	0.0
1 17	0.035	0.0	0.058	0.28	0.0	0.18	0.0	0.0	0.0	0.60	0.02S	0.0
18	0.0	0.085	0.13S	0.04	0.0	0.04	0.0	0.23	0.0	0.02	0.015	0.0
1 19	0.0	0.058	0.0	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.045
20	0.195	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015
21	0.0	0.0	0.025	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.015	0.03	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.03	0.71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.60	0.16	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.025	0.438	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.01S
26	0.045	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.045	0.045
27	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.24	0.0	0.025	0.0
1 28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.038	0.0
1 29	0.038		0.0	0.0	0.03	0.04	0.0	0.0	0.0	0.0	0.025	0.0
30	0.098		0.07s	0.02	0.99	0.0	0.0	0.12	0.0	0.0	0.02S	0.0
31	0.045		0.0		0.0		0.0	0.0		0.10		0.0
TOTAL	0.70	0.51	0.37	2.32	3,23	2.38	0.23	0.35	2.72	2,77	0.63	0.16
STA AV	0.43	0.31	0.65	1.82	2.46	3.02	1.87	0.91	1.20	0.68	0.44	0.36

BOTES: Precipitation from rain gage W-15A. STA AV based on 14 yr (1958-71) record period.

Day Jan Feb Bar Apr Eay Jun Jul Ang Sep Oct Hov	971		MEYN DYIT	Y DISCHARG	E (cfs)			MEWELL	, SOUTH D	AKOTA	WATERSHED I	I-15	
2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.082 0.0 0.0 0.0 0.0 0.498 0.0 0.3 3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	J	Jan	Feb	Bar	Apr	Hay	Jųz	Jul	Aug	Sep	0ct	Bow	Dec
3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
\$\begin{array}{cccccccccccccccccccccccccccccccccccc													0.0
5													0.0
6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.	. 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.											0.0		0.0
9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0													0.0
11													0.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.	. 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$											0.0	0.0	0.0
14 0.0							0.0				0.0	0.0	0.0
15													0.0
16													0.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0-	. 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0											0.0		0.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$													0.0
20 0.0 0.0 0.0 0.0 0.2 0.261 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
21 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
22 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.	. 0	0.0	0.0	0.261	0.0	C- 0	0.0	0.0	0.0	0.0	0.0	0.0
23													0.0
24 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
25 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
26 0.0 0.0 0.0 0.266 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 27 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
27 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.	. 0	0.0	0.0	0.097	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
29 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
30 0.0 0.0 0.0 0.314 0.0 0.0 0.0 0.0 0.0 0.0 0.0 313 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0			0.0										0.0
31 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													0.0
NN 0.0 0.0 0.1914 0.0208 0.0234 0.0361 0.0 0.0 0.0 0.0 0.0267 0.0027					0.0		0.0			0.0		0.0	0.0
	0.	. 0		0.0		0.0		0.0	0.0		0.0		0.0
													0.0
CHES 0.0 0.0 1.20 0.129 0.129 0.120 0.224 0.0 0.0 0.0 0.171 0.017 0.012 0.009			0.0	1.228	0.129	0.150	0.224	0.0	0.0	0.0	0.171	0.017	0.0

NOTES: STA AV based on 14 yr (1958-71) record period. To convert mean daily discharge in CFS to IB/DAY, multiply by 0.20697.

NORTH DANVILLE, VERMONT WATERSHED W-1

LOCATION: Caledonia County, Vermont, 5 mi. NW of St. Johnsbury; Sleepers River, Connecticut River Basin.

AREA: 10611.20 acres 16.58 sq. miles

HO	BTHLE	PRECIP	ITATION	AND RU	HOPP	(inche:	s)		N	I ETRO	DANVILL	E, VER	EAW THOM	ERSHED	R-1		
		Jan	Feb	Bar	Aş	r	May	Jun	Jul	Av	19	Sep	Oct	Now	Dec	: 1	Annual
	P	3.09	4.88	4.91		82	4.29	2.83	5.03			1.85	3.06	4.55			52.98
1971	Q	0.467	0.789	0.838	3 5.	109	5.653	0.779	0.34	7 1.	484	0.572	0.735	0.64	2 1.1	20	18.536
VA AT	P	2.77	3.46	3.41	3.	71	3.82	4.03	3.82			3.16	4.06	4.65	3.9	19 4	15.90
	Q	0.845	0.892	1.499	6.	197	2.916	0.964	0.52	1 0.	537	0.421	1.148	1.46	3 1.3	102 1	18.705
		Haxi Disch	rge	1 Hot			lours	6 Hc	urs	12 B	lours	1	Interva Day	2 D	ays		oa y s_
			rge	1 Hou Date 1				6 Hc		12 B		1					Days Vol.
1971		Discha	rge Rate	Date 1	701.	Date	Vol.	6 Ho Date	urs Vol.	12 E Date	Vol.	Date	Day	2 D Date	7ol.	Date	Vol.
1971		Dische Date I	rge Rate	Date 1	701.	Date 8-28	Vol. 0.114	6 Ho Date	wrs Vol. 0.269	12 B Date 8-28	Vol. 0.421	Date	Day Vol.	2 D Date	7ol.	Date	Vol.

NOTES: Watershed conditions: Fredominately hardwood forest, 64%; cultivated-16% in long hay rotations and about 1% in row crops, total 17%; pasture, largely binegrass 15%; idle land in grass and woody plants, 3%; and bescrites and 1956-59, 080h Biac. Pab. 1945, p. 67.1-4. Frecipitation records began January 1, 1959. But frecords hepan October 1959. Part year values not included in STA AV. For long-time precipitation records, see National Weather Service records at 2%. Johnsbury, Va.

19	71 DAILY	AIR TEMPE	BRATURE (d	legrees F)					VERHOUT W		R-1	
Day	Jan	Feb	War	Apr	May	Jun	Jul	Aug	Sep	Oct	Now	Dec
	mar min	wax min	max min	max min	max min	max min	max min	max min	max min	max min	max min	max min
1	15 -1	6 -22	36 25	40 10	53 34	66 36	80 60	79 59	67 37	68 40	60 33	39 22
2	27 12	-5 +20	30 12	50 33	52 32	72 30	70 54	79 63	73 38	79 43	53 33	56 36
3	27 8	6 -26	26 7	46 28	45 40	70 47	66 44	68 61	81 50	65 40	50 34	45 30
4	30 6	17 -18	25 18	36 25	46 38	68 48	78 38	67 53	83 59	55 43	47 29	34 12
5	34 25	26 8	24 16	41 20	56 34	59 30	82 46	67 48	81 65	65 49	41 23	25 11
6 7 8 9	25 20 20 0 6 -17 13 -20 7 2	34 12 28 10 36 24 34 14 16 -2	30 10 28 14 28 16 22 12 32 12	48 12 36 26 30 18 50 12 46 34	64 30 62 32 64 30 60 40 72 34	68 32 85 44 78 54 64 42 60 42	75 52 76 52 78 54 83 58 78 52	76 56 74 54 81 47 84 58 85 61	69 60 79 59 81 62 74 46 73 41	63 45 47 39 50 31 46 31 53 47	49 23 46 25 27 14 27 8 32 12	23 14 13 -2 11 -6 23 2 30 15
11 12 13 14	32 15 24 -18 4 -24 21 -10 22 0	24 2 36 24 42 31 41 12 22 6	34 20 32 7 38 2 46 26 48 30	48 30 58 26 54 30 40 26 32 22	78 37 75 44 62 40 50 34 72 28	68 32 74 42 72 50 70 42 68 42	68 48 71 40 75 39 71 57 76 53	79 65 67 48 80 44 80 53 60 55	74 47 70 64 69 63 68 61 75 61	56 41 49 36 54 25 66 49 71 47	30 24 32 21 31 18 37 8 33 10	16 0 12 -6 20 9 20 11 18 -7
16	0 -14	22 -4	46 29	36 24	64 42	76 44	79 50	72 47	75 53	68 41	38 10	17 -11
17	0 -22	29 -6	32 18	40 22	62 45	78 53	80 57	80 42	60 49	54 35	36 13	29 12
18	-2 -26	41 26	26 14	45 32	80 40	82 48	69 52	82 53	62 45	59 30	37 32	24 17
19	-1 -23	32 17	36 10	53 40	84 50	82 54	70 51	86 54	64 38	68 34	48 32	30 18
20	4 -24	26 18	36 16	54 36	78 54	86 56	67 49	79 56	63 51	54 37	40 22	28 8
21	16 -18	27 18	30 26	43 35	57 46	73 60	77 44	73 55	65 44	68 37	34 20	14 -14
22	26 4	28 11	34 12	38 32	50 36	78 50	79 48	75 53	66 36	62 38	32 22	4 -20
23	30 5	28 10	30 2	40 30	50 32	80 50	83 56	60 45	64 34	60 46	24 10	18 4
24	33 12	30 10	24 14	54 26	66 28	74 50	79 58	61 43	55 37	54 38	24 5	23 8
25	40 22	34 8	26 14	48 33	64 48	71 46	79 60	66 36	58 29	51 42	25 22	19 -6
26 27 28 29 30 31	32 16 14 -10 2 -12 15 -5 24 4 14 -12	40 18 37 30 40 28	32 0 40 2 44 8 42 24 39 26 34 18	46 32 88 30 54 26 44 38 54 34	62 50 57 49 63 43 79 36 78 44 64 46	68 52 72 46 74 42 80 48 90 62	80 59 75 56 75 47 71 53 76 61 79 61	72 47 64 53 66 53 76 55 74 52 66 43	63 35 63 31 59 49 69 55 67 44	61 51 64 50 73 47 65 36 64 34 47 33	27 22 30 18 33 27 34 32 39 32	21 10 17 13 12 8 14 4 9 2 24 0
AV.	18 -2	26 8	33 15	44 27	64 39	71 44	76 52	73 52	67 47	60 40	35 20	22 6
HEAN	7.3	17.0	24-1	35-1	51.4	57.8	63.8	62.8	56.7	50.0	28.0	14.3
STA AV	22 3	23 3	34 15	46 27	59 37	71 46	74 52	72 49	64 42	54 35	38 23	24 9

NOTES: Temperature data is from R-12 station. Beadings taken daily from hygrothermograph charts. STA AV based on 1960-71 record period.

1971	Di	AILY PREC	PITATION				NORTH D	ANVILLE, 1	BREONT W.	ATBRSHED T	i-1	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Roa	Dec
1	0.0	0.01	0.03	0.02	0.0	0.0	1.26	0.0	0.0	0.0	0.0	0.0
2	0.02	0.07	0.0	0.28	0.43	0.11	0.0	0.56	0.0	0.25	0.30	0.0
3	0.13	0.0	0.37	0.10	1.01	0.09	0.0	2.74	0.0	0_0	0.0	0.2
4	0.0	0.01	1.15	0.04	0.24	0.01	0.0	0.01	0.0	0.0	0.06	0.0
5	0.11	0.47	0.25	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.10	0.0
6	0.0	0.03	0.05	0.0	0.0	0.0	0.19	0.0	0.0	0.15	0.0	0.1
7	0.19	0.08	0.95	0.28	0.0	0.69	0.0	0.0	0.0	0.08	0.36	0.1
8	0.0	0.92	0.17	0.0	0.01	0.77	0.0	0.0	0.0	0.08	0.20	0.0
9	0.0	0.39	0.04	0.0	0.09	0.0	0.0	0.0	0.0	0.10	0.0	0.3
10	0.04	0.04	0.0	0.70	0.0	0.0	0.0	0.0	0.0	1.55	0.06	0.0
11	0.07	0.01	0.31	0.55	0.0	0.0	0.0	0.41	0.0	0.08	0.13	0.0
12	0.0	0.15	0.05	0.0	0.0	0.0	0.0	0.0	0.58	0.16	0.06	0.0
13	0.0	0.51	0.0	0.0	0.35	0.0	0.37	0.0	0.07	0.0	0.0	0.0
14	0.0	6.28	0.0	0.13	0.01	0.0	0.99	0.0	0.33	0.0	0.0	0.0
15	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.2
16	0.0	0.0	0.07	0.43	0.0	0.0	0.17	0.0	0.01	0.0	0.0	0.2
17	0.0	0.02	0.0	0.0	0.10	0.0	0.56	0.0	0.04	0.0	0.0	0.0
18	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0
19	0.0	0.0	0.48	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.15	0.0
20	0.0	0.58	0.38	0.0	0.02	0.0	0.0	0.83	0.10	0.0	0.06	0.0
21	0.32	0.08	0.30	0.23	0.43	0.50	0.0	0.19	0.40	0.0	0.06	0.0
22	0.14	0.0	0.01	0.47	0.14	0.0	0.0	0.14	0.0	0.0	0.0	0.0
23	0.21	0.83	0.0	0.05	0.0	0.0	0.0	1.47	0.0	0.0	0.0	0.0
24	0.02	0.05	0.0	0.0	0.02	0.01	0.09	0.0	0.0	0.0	0.0	0.6
25	0.0	0.0	0.0	0.09	0.76	0.65	0.02	0.0	0.0	0.59	1.53	0.1
26	1.15	0.0	0.0	0.02	0.20	0.0	0.0	0.0	0.0	0.02	0.15	0.0
27	0.27	0.11	0.0	0.04	0.27	0.0	0.39	0.43	0.0	0.0	0.04	0.1
28	0.05	0.10	0.0	0.06	0.0	0.0	0.0	3.66	0.0	0.0	0.04	0.2
29	0.05		0.02	0.10	0.0	0.0	0.30	0.07	0.10	0.0	0.57	0.0
30	0.29		0.17	0.23	0.0	0.0	0.0	0-21	0.0	0.0	0.68	0.6
31	0.03		0.0		0.0		0.20	0.0		0.0		0.0
FAL	3.09	4.88	4.91	3.82	4.29	2.83	5.03	10.72	1.85	3.06	4.55	3.9
A AV	2.77	3.46	3.41	3.71	3.82	4.03	3.82	5.03	3.16	4.06	4.65	3.9

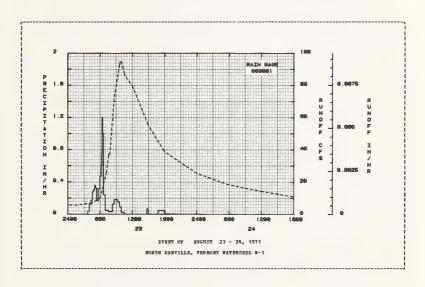
NOTES: Daily precipitation values from rain gage 8-01. All precipitation is rain except for the months of January, February, and December during which all precipitation is snow or rain on snow. STA AV based on 13 yr (1959-71) record jeriod.

1971		BEAN DAIL	DISCHAR	GE (cfs)			BORTH D	ANVILLE,	VERHONT	WATERSHED	9-1	
Day	Jan	Feb	Har	Apr	Нау	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	9.56	5.66	12.70	10.47	133.73	15.43	18.56	4.83	13.55	4.33	6.84	12.40
2	9.02	5.66	10.66	11.65	127.60	13.72	18.98	7.66	10.64	4.10	8.41	11.01
3	7.73	5.53	10.19	29.32	223.238	17.94	7.12	89.21	9.32	5.08	10.48	11.35
4	7.37	5.15	10.37	44.40E	191.40	15.70	5.11	49.18	8.88	4.22	8.55	10.68
5	8.17	5.40	9.82	25.50	160.77	12.44	4.07	15.34	8.49	4.22	8.17	10.03
6	8.94	5.66	9.36	23.43E	152.75	11.20	3.49	8_44	8.04	4.80	7.45	10.47
7	8.33	5.66	9.73	22.63	157.74	10.42	3.87	5.74	7.55	6.64	16.15	10.47
8	7.63	5.86E	9.72	19.25	137.19	49.86	2.96	4.40	6.68	5.64	13.81	10.19
9	7.27	7.54	9.01	19.57	140.99	39.00	2,63	3.60	5.68	5.53	8.79E	10.67
10	7.37	8.93	8.67	26.92	125.74	17.76	2.46	3.25	5.09	42.66	8.45	13.56
11	7.14	10.23	8.67	79.02	115.97	12.74	2.22	4.54	4.85	48.99	9.01	40.90
12	6.84	11.97	8.58	91.91	95.06	10.62	2.02	5.04	12.14	18.10	8.67	33.04
13	6.17	13.80E	8.33	83.99	93.37	9.20	1.96	3.19	12.66	13.72	8.67	21.08
14	5.73	15.198	8.90	74.85	68.16	8.01	6.50	2.58	14.69	11.49	7.34E	16,02
15	5.66	20.09E	12.52	51.78	52.81	7.14	5.80	2.46	15.09	10.05	7.55	15.46
16	5.66	34.26B	20.99	41.95	45.38	6.74B	3.76	2,53	9.75	8.71	7.26	38.88
17	5.66	33.458	30.43	44.31	48.44	6.16	4.71	2.22	9.54	8.25	7.25	28.72
18	5.45	29.95B	20.15E	68.88	39.71	5.41	7.58	1,98	11.18	7.53	8.32	16.37
19	5-40	18.13E	15.29E	148.71	33.57	4.96	4.72B	1.94	8.94	7.06	10.83	10.35
20	5.79	12.86	14.87	177.53	28.86	4.44	11.19	3.06	7.27	6.99	19.66	15.84
21	5.77	12.27	13.02	152.43	34.22	8.36	5.41	8.60	12.21	6.77	12.51	14.49
22	6.20	10.81	12,17	135.65	45.68	10.83	3.59	6.20	9.31	6.77	10.44	11.27
23	6.20	10.61	12.57	94.70	32.03	6.19E	2.93	39.57	7.05	6.77	6.33	9.89
24	5.99	10.47	12.14	94.14	24.82	5. 15	2.54	15.08	6.05	6.46	4.53	12.00
25	5.93	9.68	10.52	111.40	23.68	6.72	2.81	7.36	5.63	12.40	6.13	21.63
26	6.10	9.36	10.47	100.13	49.93	13.20	2.51	5.30	5.15	16.68	8.94	19.06
27	6.77	11.00	10.58	105.37	33.37	6.24	2.70	4.91	4.67	11.68	11.62	14.73
28	6.57	16.73	10.91	120.46	37.91	4.46	2.50	233.55	4.55	9.35	10.47	14.13
29	5.99		11.15	135.45	26.31	3.83	2.42	69.14	5.09	8.21	10.21	12.68
30	5.93		10.56	132.13	21.26	3.51	3.79	29.32	5.26	7.56	13.37	11.24
31	5.73		10.47		18.39		3.78	21.28		7.08		10.86
EAN	6.712	12.570	12.050	75.930	81.291	11,580	4.989	21,338	8.500	10.575	9.540	16.11
NCHES	0.467	0.789	0.838	5.109	5.653	0.779	0.347	1.484	0.572		0.642	1.12
TA AV	0.845	0.892	1.499	6. 197	2.916	0.964	0.521	0.537	0.421		1.463	1.30

NOTES: To convert mean daily discharge im CFS to IM/DAY, multiply by 0.002243. STA AV based on 12 yr (1960-71) record period.

971 SEL	ECTED RUBOR	P EVENT			3	ORTH DANVE	TTE AEE	HOST WATER	SHED W-1	
ANTECED	ENT CONDIT	IONS		RA	BPALL			RUNOF	P	
Date Mo-Day	Rainfall (inches)		Date No-Day	Time of Day	Intensity (in/hr)		Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVE	HT OF A	GUST 23 -	24, 1971				
P	G 000001			RG 0000	001					
8-23	0.0	0.000	8-23	343	0.0	0.0	8-23	19	5,659	0.0
0 20				359	0.0375	0.01		146	5,659	0.0008
				419	0-1200	0.05		438	7.065	0.0025
				433	0.1715	0.09		601	10.091	0.0036
				844	0.2727	0.14		711	25.998	0.0056
WATERSHED	COMDITIONS:									
Forest land	. 64%: hav.	16%:		458	0.3000	0.21		736	37.132	0.0068
pastured la	nd. 15%: id	le		508	0.3600	0.27		748	37.132	0.0075
land with d				521	0.3231	0.34		838	73.121	0.0118
brush growt	h. 3%: seed	ed to		539	0.1666	0.39		901	80.814	0.0146
corn, 1%; a	nd homesite	s, 1%.		558	0.3158	0.49		934	91.807	0.0190
				612	0.4714	0.60		943	94.690	0.0203
				617	0.6000	0.65		957	94.690	0.0224
				621	0.7498	0.70		1034	86.204	0.0276
				628	1.2001	0.84		1200	79.499	0.0387
				637	1.0000	0.99		1501	54.841	0.0576
				657	0.2400	1.07		1759	38.801	0.0706
				736	0.0462	1.10		2400	25.340	0.0886
				818	0.0286	1.12	8-24	559	18.226	0.1008
				837	0.1263	1.16		1200	14.251	0.1099
				917	0.1800	1.28		1800	10.854	0.1169
				937	0.1500	1.33		2400	8.666	0.1224
				957	0.0900	1.36				
				1025	0.0214	1.37				
				1443	0.0	1.37				
				1501	0.0666	1.39				
				1649	0_0	1.39				
				1807	0.0462	1.45				
				2400	0.0034	1.47				

NOTES: To convert runoff in CPS to IN/HB, multiply by 0.0000935. For 30-day antecedent rainfall and runoff, see tables of daily values.



MORTH DANVILLE, VERMONT WATERSHED W-2

LOCATION: Caledonia County, Vermont; 5 mi. NW of St. Johnsbury; unnamed tributary of Sleepers Eiver, Connecticut

AREA: 146.00 acres

80	NTHL	PRECIP	ITATION	AND R	UNOFF	(inches	5)		NC	RTH I	DYNAILT	E, VERE	ONT WAT	ERSHED	W-2		
		Jan	Peb	Har	A	pr	May	Jun	Jul	Àτ	19	Sep	0ct	Nov	Dec		Annual
1968	P Q	1.28 0.912	1-11 0-771	3.5 4.1			4.24 1.956	4.36 1.582	2.01 0.982			2.74 0.505	2.78 0.436	4.69 0.68	5.0 3 0.8		37.64 15.936
1969	p Q	2.44 0.977	2.81 0.758	1.4			4.17 3.519	4.41 1.946	4.57 1.143			2.42 0.617	2.24 0.521	5.40 1.44	5.3 1 1.8		42.24 23.883
1970	P Q	0.92 1.292	2.64 1.959	1.9: 1.1			3.05 2.347	3.87 1.071	1.54 0.448			2.36 0.273	1.71 0.353	2.44	4.1	5	33,22
1971	P Q	2, 28	3.53	2.9			3.00 4.206	2.61 1.158	3.46 0.653			1.36 0.519	2.14 0.655	2.85 0.58		6	38.13
TA AV	P Q	1.91 0.835	2.31 0.816	2.3 1.9			3.11 2.303	3,33 1,114	3.19 0.643			2.48 0.390	3.28 0.650	3.54 1.106			35.76 15.825
	ABNU	JAL MAXI	HUM DIS					AOTOW	S OF RE			s) POR		D TIME	INTERV	ALS	
		Date	arge		our Vol.		Hours Vol.	6 Hc	urs	12 E		1	Interval Day Vol.	2 Da			
1968 1969 1970 1971		3-23 6-13 4-17	0.065 0.255 0.056 0.110	3-23 6-13 4-24 8-3	0.062 0.144 0.053 0.096	6-13	0.120 0.181 0.103 0.145	4-18	0.292 0.257	4-18 4-24	0.544 0.564 0.386 0.367	4-18 4-24	0.951	4-16	1.475	4-13	2.176
						E	SAXIMUMS	FOR PE	RIOD OF	RECO	DED						
		6-13	0. 255	6-13	0.144	6-13 1969	0.181	3- 5 1964		3- 5 1964		4-18 1969	0.951	4-17 1969	1.475	4-13 1969	4.652

NOTES: Watershed conditions: Pasture of mostly bluegrass, 38%; cultivated land entirely in clover and orchard grass bay, 37%; and forest stand, predominantly hardwoods, 25%. For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 195-69, 50% also, Pub. 945, p. 67.2-8. Precipitation records began Sept. 1958. Runoff records began October 1958. Part-year values and winter-close-down period not included in station average. Monthly 0 and Maximum Folumes of runoff are revised and supersede values that were previously published in the Mydrologic Data for Experimental Agricultural Natersheds in the United States, USDA Misc. Pub. 1304 (1962) and 1306 (1962), respectively. Monthly tocals not calculated for outside 8-2 was closed at St. Johnsbury, Vt.

1971	D	AILT PREC	IPITATION	(inches)			HORTH D	ANVILLE,	VERECUT W.	ATERSHED I	1-2	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.09	0.0	0.0	0.0	0.0
2	0.01	0.01	0.0	0.27	0.35	0.13	0.0	0.41	0.0	0.05	0-20	0.0
3	0.04	0.0	0.25	0.14	0.69	0.12 0.0	0.0	2.50 0.01	0.0	0.0	0.0	0.19
5	0.09	0.30	0.14	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.05	0.0
6	0.0	0.02	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.18	0.0	0.3
7	0.05	0.05	0.79	0.24	0.0	0.65	0.0	0.0	0.0	0.02	0.05	0.1
8	0.0	0.78	0.04	0.01	0.01	0.51	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.16	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.10	0.0	0.2
10	0.03	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.0	1.20	0.0	0.0
11	0.07	0.0	0.21	0.30	0.0	0.0	0.0	0.30	0.0	0.02	0.0	0.0
12	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.09	0.19	0.0
13	0.0	0.51	0.0	0.0	0.30	0.0	0.35	0.0	0.06	0.01	0.0	0.0
14	0.16	0.09	0.0	0.04	0.0	0.0	0.34	0.0	0.31	0.0	0.0	0.0
15	0.04	0.01	0.09	0.0	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.39
16	0.0	0.0	0.03	0.11	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
17	0.0	0.05	0.0	0.0	0.45	0.0	0.28	0.0	0.11	0.0	0.0	0.0
18	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.00
19 20	0.0	0.0	0.35 0.25	0.0 0.01	0.0	0.0	0.49	0.76	0.04	0.0	0.00	0.0
21	0.30	0.07	0.07	0.24	0.36	0.54	0.0	0.13	0.20	0.0	0.04	0.0
22	0.10	0.0	0.02	0.11	0.13	0.0	0.0	0.26	0.0	0.0	0.0	0.0
23	0.16	0.62	0.0	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0
24	0.0	0.07	0.0	0.0	0.01	0.0	0.07	0.0	0.0	0.0	0.0	0.4
25	0.01	0.02	0.0	0.05	0.25	0.66	0.01	0.0	0.0	0.46	1.17	0.00
26	0.72	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	6.01	0.08	0.0
27	0.11	0.14	0.0	0.06	0.11	0.0	0.16	0.33	0.0	0.0	0.02	0.1
28	0.02	0.0	0.0	0.06	0.0	0.0	0.0	2.17	0.0	0.0	0.02	0.1
29	0.03		0-04	0.09	0.0	0.0	0.31	0.02	0.06	0.0	0.40	0.0
30	0.27		0.06	0.11	0.0	0.0	0.0	0.18	0.0	0.0	0.55	0.50
31	0.03		0.0		0.0		0.41	0.5		0.0		0.0
TAL	2.28	3,53	2.95	2.58	3.00	2.61	3.46	8.21	1.36	2.14	2.85	3.10
A AV	1.91	2.31	2.31	2.96	3.11	3.33	3.19	4.23	2.48	3.28	3.54	3.1

MOTES: For temperature data see table of daily mainum and minimum values included with information for Water-HOTES: For temperature data see table of daily mainum and minimum values included with information for Water-Bo

196	8	BEAN DAIL	DISCHARG	E (cfs)			BORTH !	DANVILLE,	VERMONT	WATERSHED	N-2	
Da y	Jan	Peb	Har		Bay		Jul	Aug	Sep	Oct	How	Dec
1	0.208	0.157	0.124	1.158	0.340	0.289	0.269	0.138	0.086	0.052	0.072	0.130
2	0.208	0.258	0.121	0.763	0.317	0.282	0.193	0.100	0.073	0.050	0.091	0.135
3 .	0.208	0.537	0.114	0.719	0.312	0.258	0.169	0.085	0.070	0.059	0.080	0.134
д	0.208	0.232	0.114	0.802	0.406	0.246	0.144	0.076	0.070	0.099	0.070	0.230
5	0.208	0.205	0.114	0.782	0.315	0.231	0.141	0.072	0.065	0.103	0.060	0,431
6	0.208	0.194	0.114	0.579	0.286	0.210	0.251	0.077	0.106	0.068	0.060	0.210
7	0.208	0.181	0.111	0.552	0.265	0.197	0.201	0.087	0.090	0.228	0.070	0.173
8	0.208	0.167	0.113	0.552	0.256	0.190	0.150	0.069	0.066	0.115	0.214	0.144
9	0.208	0.164	0.114	0.520	0.299	0.556	0.149	0.097	0.050	0.083	0.127	0.186
10	0. 197	0.165	0.119	0.497	0.304	0.840	0.541	0.083	0.060	0.073	0.135	0.135
11	0.181	0.156	0.119	0.441	0.260	0.306	0.218	0.054	0.889	0.083	0.127	0.122
12	0.181	0.145	0.114	0.417	0.297	0.322	0.177	0.052	0.258	0.072	0.096	0.122
13	0.181	0.145	0.114	0.394	0.263	0.268	0.169	0.058	0.121	0.067	0.106	0.122
14	0.181	0.145	0.114	0.379	0.228	0.296	0.150	0.055	0.095	0.061	0.096	0.198
15	0.181	0.145	0.114	0.607	0.216	0.379	0.150	0.044E	0.086	0.057	0.087	0.172
16	0.175	0.142	0.191	0.449	0.209	0.265	0.150	0.046E	0.070	0.057	0.087	0.127
17	0.169	0.134	1.050	0.362	1.556	0.351	0.390	0.148	0.062	0.055	0.088	0.122
18	0.169	0.134	1.328	0.340	0.475	0.266	0.235	0.082	0.057	0.049	0.255	0.108
19	0.169	0.134	2.640	0.332	0.614	0.411	0.322	0.056	0.057	0.118	0.412	0.103
20	0.169	0.134	1.703	0.309	0.966	0.371	0.207	0.275	0.049	0.131	0.135	0.130
21	0.169	0.129	1.521	0.308	0.425	0.255	0.148	0.184	0.045	0.071	0.108	0.169
22	0.169	0.114	2.588	0.307	0.604	0.284	0.128	0.075	0.049	0.069E	0.103	0.169
23	0.169	0.114	3.716	0.281	0.372	0.275	0.122	0.061	0.038	0.064	0.103	0.181
24	0.164	0.114	1.517	1.048	0.323	0.426	0_144	0.062	0_040	0.061	0.123	0.181
25	0.157	0.114	0.854	1.145	0.297	0.341	0.142	0.241	0.127	0.093	0.150	0.172
26	0.157	0.114	0.919	0.434	0.278	0.252	0.099	0.082	0.083	0.087	0.102	0.161
27	0.157	0.114	1.333	0.607	0.275	0.209	0-114	0.067	0.064	0.066	0.097	0.157
28	0.157	0.114	1.143	0.411	0.253	0.284	0.393	0.070	0.058	0.194E	0.197	0.212
29	0.157	0.130	1.199	0.364	0.305	0.480	0.141	0.077	0.057	0.129	0.557	0.228
30	0.157		1.062	0.356	0.327	0.364	0.108	0.086	0.054	0.089	0.185	0.181
31	0.157		0.951		0.355		0.106	0.086		0.075		0.181
REAR	0.1805	0.1631	0.8209	0.5405	0.3871	0.3235	0.1943	0.0918	0.1033	0.0863	0.1397	0.1686
INCHES	0.912	0.771	4.148	2.643	1.956	1.582					0.683	0.852
STA AV	0.775	0.707	2.152	3.558	1.987		0.611				1.076	1.174

NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.1630250. Bunoff values are revised and supersede values previously published for 1968. STA AV based on 10 yr (1959-1968) record period.

[1969	MEAN DAIL	Y DISCHAR	GE (cfs)			BORTH D			WATERSHED	W-2	
Da	y Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
	1 0.169	0.204	0.157	0.237	0.904	0.367	0.180	0.165	0.098	0.075	0.087	0.230
	2 0.169	0.194	0.157	0.276	0.789	0.361	0.164	0.574	0.108	0.098	0.124	0.237
	3 0.169 4 0.169	0.194	0.157 0.157	0.241	0.750	0.515	0.199	0.285	0.100	0.262	0.196	0.223
	5 0.169	0.189	0.157	0.359	0.668	0.333	0.184	0.201	0.092	0.107	0.879	0.234
i	5 0.169	0.170	0.137	0.515	0.011	0.333	0.176	0.676	0.000	0.092	0.743	0.224
	6 0.169	0.169	0.157	0.732	0.574	0.438	0.146	0.236	0.272	0.088	0.420	0.222
	7 0,169	0.169	0.155	0.847	0.616	0.365	0.143	0.174	0.348	0.087	0.285	0.222
	8 0.169	0.169	0.145	0.746	0.843	0.313	0.138	0.266	0.235	0.087	0.367	0.278
	9 0.169	0.169	0.145	0.822	0.941	0.277	0.145	0.215	0.216	0.076	0.234	0.430
1 1	0.169	0.169	0.142	1.855	0.611	0.256	0.156	0.365	0.136	0.071	0.216	0.325
1	1 0,169	0.169	0.134	1.887	0.960	0.244	0.164	0.213	0.120	0.071	0.272	1.260
i 1		0.169	0.134	1.647	0.640	0.235	0.275	0.154	0.113	0.071	0.236	0.425
j 1	3 0.169	0.169	0.134	2.685	0.647	1.526	0.182	0.136E	0.098	0.071	0.265	0.336
1 1		0.160	0.134	3.544	0.653	0.392	0.136	0.135E	0.096	0.083	0.296	0.294
1 1	5 0.169	0.157	0.134	3.617	0.557	1.102	0.129	0.103	0.094	0.071	0.333	0.303
1	6 0.169	0.157	0.134	3.209	0.507	0-655	0.114	0.093	0.092	0.071	0-229	0.285
1 1		0.154	0.142	3.519	0.484	0.351	0.101	0.346	0.234	0-072	0.217	0.264
1 1		0.145	0.158	9.186	0.562	0.313	0.100E	0.191	0.124	0.083	0.222	0.268
1 1		0.145	0.205	4.859	0.966	0.293	0.090	0.218	0.101	0.071	0.228	0.283
1 2	0 0.169	0.154	0.255	2.598	2.462	0.424	0.093	0.142	0.093	0.228	0.709	0.278
1 2	1 0, 169	0.161	0.260	2.329	0.697	0.283	0.094	0.122	0.092	0.173	0.258	0.279
1 2		0.160	0.228	2-064	0.589	0.250	1.213	0.118	0.090	0.124	0.230	0.307
1 2		0.157	0.230	2.338	0.569	0.353	0.135	0.094	0.087	0.107	0.230	0.522
1 2		0.157	0.279	1.979	0.558	0.378	0.112	0.078	0.085	0.105	0.242	0.364
1 2		0.166	0.524	1.558	0.610	0.308	0.099	0.167	0.122	0.139	0.221	0.285
2	6 0.229	0.158	0.429	1.386	0.511	0.264	0.186	0.159	0.102	0.131	0.217E	0.307
2		0. 157	0.429	1.383	0.491	0-244	0.186	0.159 0.129E	0. 102	0.131	0.217E	1.234
1 2		0.157	0.288	1.419	0.527	0.333	0-401	0-104	0.089	0.098	0.2228	0.408
2		0.157	0.328	1.499	0.461	0.207	1.033	0.096	0.078	0.086	0.222E	0.361
1 3			0.294	1.057	0.445	0.202	0.340	0.125	0-082	0.084	0.222B	0.356
3			0.255		0.386		0.256	0.097		0.086		0.339
I MEAN	0. 1934	0.1660	0.2110	1.8464	0.6964	0.3979	0.2261	0.1993	0.1262	0.1031	0.2947	0.3673
I INCH			1.067	9.030	3.519	1.946	1.143		0.1262		1.441	1.856
STA			2.053	4.056	2. 126	1.114	0.660	0.477	0.388		1.110	1.236
1 218	A: V. 774	7.712	2.033	7.030	2. 120				7.300	3.676		** 230

NOTES: To convert mean daily discharge in CFS to IN/DAT, multiply by 0.1630250. Bunoff values are revised and supersede values previously published for 1969. STA AV based on 11 yr (1959-1969) record period.

197	70	MEAN DAIL	DISCHARG	SE (cfs)			NORTH D	ANVILLE,	VERBORT W	ATERSHED	W-2	
Day	Jan	Peb	Har	apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.320	0.208	0.222	0.269	0.640	0.301	0.225B	0.122	0.058	0.055	0.045	NR
2	0.314	0.668E	0.222	0.614	0.626	0.256	0.163E	0.157	0.041	0.051	0.045	NR
3	0.305	2.705E	0.222	0.632	0.822	0.229	0.160E	0.079	0.055	0.132	0.045	HR
43	0.303	0.809E	0.210	0.392	0.602	0.204	0.226E	0.071	0.262	0.090	0.045	NR ·
5	0.286	0.423B	0.208	0.350	0.547	0.600	0.2178	0.052	0.120	0.065	0.045	BB
6	0.285	0.361	0.208	0.346E	0.577	0.576	0.119E	0.043	0.086	0.054	0.041	NR
7	0.285	0.334	0.207	0.424	0.493	0.279	0.096B	0.034	0.065	0.049	0.040	NR
8	0.285	0.315	0.194	0.539	0.465	0.225	0.088E	0.030	0.056	0.048	0.040	NR
9	0.269	0.303	0.194	1.536	0.448	0.199	0.080E	0.025	0.049	0.044	0.037	NR
10	0.269	0.309	0.194	0.847	0.544	0.189	0.077E	0.025	0.037	0.039	0.049	BR
11	0.269	0.703	0.194	0.715	0.555	0.167E	0.107E	0.032	0.022	0.060	0.100	NR
12	0.261	0-460	0-194	1.256	0.466	0.181	0.077E	0.037	0.011	0.054	0.069	MR
13	0.267	0.373	0.192	1.282	0.413	0.154	0.063E	0.030	0.007	0.056	0.062	HR
14	0.253	0.317	0.181	1.785	0.373	0.144	0.072E	0.027	0.010	0.089	0.057	NR
15	0.253	0.303	0.181	1.934	0.346	0.135E	0.073E	0.024	0.019	0.148	0.135	NE
16	0.241	0.303	0.181	1.706	0.345	0.111E	0.109B	0.021	0.056	0.100	0.134	NR
17	0.237	0.293	0.181	2.216	1.216	0.137	0.0863	0.020	0.020	0.077	0.091	HR
18	0.237	0.285	0.181	1.864	0.490	0.149E	0.093E	0.018	0.050	0.066	0.079	NR
19	0.237	0.285	0.191	1.198	0.394	0.129	0.079E	0.021	0.047	0.059	0.088	NR
20	0.237	0.281	0.205	1.250	0.348	0.124	0.053E	0.024	0.035	0.052	0.082	NR
21	0-225	0.269	0-243	1.294	0.308	0.115	0.054B	0.120	0.034	0.051	0.167	NR
22	0.222	0.269E	0.280	1.038	0.392	0.126B	0.0628	0.036	0.063	0.059	0.086	NR
23	0.211	0-269B	0.270	0.918	0.330	0-103B	0.052	0.313	0.038	0.176	0.111	NR
24	0.208	0.251	0.308E	2.811	0.282	0.079E	0.049	0.096	0.032	0.089	0.070	NR
25	0.208	0.237	0.275	1.172	0.299	0.080E	0.045	0.060	0.054	0.073	0.064	NR
26	0.208	0.237	0.241	0.891	0.509	0.084E	0.043	0.046	0.049	0.066	0.064	NR
27	0.208	0.223	0.368	0.835	0.378	0.567B	0.037	0.057	0.084	0.061	0.032	NR
28	0.208	0.222	0.287	0.777	0.316	0.169E	0.035	0.289	0.063	0.041	WR	NB
29	0.314		0.275E	0.707	0.311	0, 122E	0.036	0.138	0.088	0.0	HR	NR
30	0.278		0.249	0.669	0.298	C.635B	0.034	0.070	0.068	0.112	WR	HR
31	0.222		0.239		0.267		0.034	0.067		0.050		BR
AN	0. 2557	0.4291		1.0756	0.4645			0.0705	0.0559			
CHES	1.292	1-959	1-141	5-260	2.347	1.071		0.356	0.273	0.353		
A AV	0.835		1.977	4.156	2.144	1, 111	0.642	0.467	0.379	0.649	1.110	1.23

EDITES: TO CONNECT HERM SALES AND ALL AND ALL

197	1	HBAN DAII	Y DISCHAR	SE (cfs)			MORTH D	ANVILLE,	VERNONT W	ATERSHED	r-2	
Day	Jan	Feb	Har	Apr	Hay	Jun	Ju1	Aug	Sep	0ct	Nov	Dec
1	BR	MB	NR	0.138	1.395	0.313	0.684	0.104	0.109	0.075	0.095	NR
2	NR	NR	HR	0.173	1.513	0.307	0.415	0.187	0.097	0.088	0.136	BR
3	NE	HR	BR	0.476	2.673	0.400	0.137	1.579	0.096	0.090	0.125	NR
4	HR	BR	NR	0.279	1.685	0.315	0-117	0.265	0.096	0.075	0.114	MR
5	NR	NR	NR	0.245	1.352	0.276	0.106	0.139	0.096	0.075E	0.107	MR
6	NR	NR	HR	0.269	1.133	0.268	0.117	0.111	0.092	0.114	0.105	NR
7	NR	BR	BR	0.244	1.001	0.332	0.104	0.089	0.088	0.110	0.244	NR
8	BR	WR	NR	0.202	0.931	0.609	0.087	0.075	0.080	0.092	0.137	NR
9	NB	HR	HR	0.252	0.949	0.317	0.084	0.064	0.075	0.109	0.109	NR
10	NB	MR	HR	0.455	0.842	0.249	0.071	0.058	0.069	0.612	0.106	NR
11	BR	BR	HR	0.965	0.777	0.229	0.063	0.110	0.074	0.245	0.131	NR
12	NR	HR	NB	0.822	0.758	0-222	0.060	0.071	0.164	0.144	0.129	NR
13	BR	NR	NR	0.635	0.871	0.207	0.087	0.052	0.128	0.134	0.132	NR
14	BR	NR	NE	0.573	0.744	0.188	0.211	0.043	0.185	0.122	0.112	NR
15	NR	HR	NR	0.522	0.655	0.188	0.110	0.044	0.153	0.119	0.105	NR
16	NR	NR	0.136	0.498	0.639	0.185	0.091	0.049	0.103	0.110	0.100	NR
17	BR	NR	0.192	0.724	0.757	0.168	0.132	0.045	0.184	0.109	0.099	NR
18	HR	MR	0.158	1-277	0.607	0.159	0.113	0.035	0.154	0.101	0.122	NR
19	NR	MR	0.146	2.562	0.552	0.148	0.166	0.032	0.108	0.095	0.141	NR
20	RE	NB	0.137	3.012	0.513	0.140	0.162	0.098	0.101	0.101	0.151	NR
21	NB	BB	0.134	2.451	0.661	0-274	0.090	0.094	0.153	0.102	0.121	NR
22	HR	NR	0.134	2.651	0.683	0.197	0.075	0.107	0.107	0.101	0.118E	NR
23	NR	HR	0.134	2.033	0.504	0.150	0.063	0.524	0.094	0.095	0.124E	NR
24	BR	BR	0.134	2.401	0.457	0.138	0.068	0.110	0.088	0.092	0.124E	NE
25	HR	ER	0.137	2.226	0.503	0.253	0.073	0.081	0.084	0.199	0.124E	NR
26	HE	NR	0.134	1.990	0.584	0.222	0.057	0.070	0.079	0.167	0.118E	NE
27	HR	NR	0.134	1.930	0.489	0-170	0.076	0.105	0.076	0.125	0.091	NR
28	NR	NR	0.134	1.797	0.473	0.163	0.056	1.718	0.078	0.111	0.071	NR
29	NR		0.137	1.841	0.394	0.162	0.095	0.241	0.092	0.104	0.103E	HR
30	NR		0.137	1.833	0.366	0.158E	0.093	0.177	0.081	0.104	0.096E	NR
31	NR		0.134		0.337		0.142	0.134		0.101		NR
yr.				1.1824	0.8323	0.2369	0.1292	0.2132	0.1061	0.1297	0.1197	
CHES				5.783	4.206	1.158		1.078	0.519	0.655	0.585	
A AV	0.835	0.816	1.977	4.281	2.303	1.114	0.643	0.514	0.390	0.650	1.066	1.2

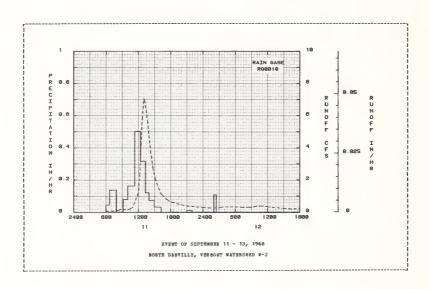
NOTES: To convert mean daily discharge in CFS to IM/DMY, multiply by 0.1630250. W-2 closed for winter operation beginning Mov. 28, 1970 thru March 15, 1971. Daily values for this period are denoted by 'MF'. STA AV based on 13 yr (1959-1971) record period (winter closed down months not included).

8 SELECTED RUNOF	I DATE I				ORTH DANG	TPPD ARK	DORI WATER	3BED W-2	
ANTECEDENT COMDIT				BFALL			RUBOF		
Date Bainfall Ho-Day (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		יששש	T OF SPD	EMBER 11 -	13 1969				
		D + E1			15, 1500				
RG RG0010 9-11 0-0		9-11	RG RGOO			9-11		0.053	
9-11 0.0	0.002	9-11	558 639	0.0	0.0	9-11	600 700	0.057	0.0
				0.0439					
			753	0.1378	0.20		800	0.103	0.0010
			910	0.0	0.20		845	0.168	0.0017
			1003	0.0792	0.27		1015	0.168	0.0034
ATERSHED CONDITIONS: sture or mostly blue			1120	0_1636	0.48		1100	0.325	0.0047
sture or mostly blue %: cultivated land e			1120	0.1636	1.00		1200	1.198	0.0047
				0.3158	1.00			2.325	0.0099
clover and orchard			1319				1215		
y, 37%; and forest s			1359	0.1200	1.38		1230	4.379	0.0186
edominantly hardwood	s, 25%.		1458	0.0712	1.45		1245	5.990	0.0274
			1614	0.0316	1.49		1300	7.061	0.0385
			2059	0_0	1.49		1315	6.782	0.0503
			2159	0.0100	1.50		1345	5.496	0.0712
		9-12	200	0.0	1.50		1415	3.786	0.0870
			228	0.1071	1.55		1445	2.610	0.0979
							1515	1.936	0.1056
							1545	1.486	0.1114
							1615	1.111	0.1158
							1645	0.949	0.1193
							1715	0.803	0.1223
							1745	0.672	0.1248
							1815	0.613	0.1270
							2100	0.365	0.1361
							2400	0.288	0.1428
						9-12	130	0.254	0.1456
							230	0.254	0.1473
							345	0.325	0.1473
							600	0.325	0.1548
							715	0.325	0.1548
							900	0.288	0.1574
							300	U+ 200	0. 1000

NOTES: To convert runoff in CFS to IM/BR, multiply by 0.006793. Eunoff values are revised and supersede values previously published for 1968. For 30-day antecedent rainfall and runoff, see tables of daily amounts.

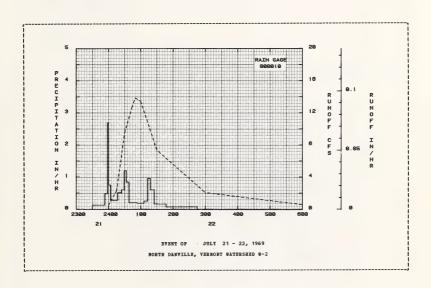
968	SELECTED RUNG	PP EVEET			н	ORTH DANVI	LLE, VER	SORT WATER	SHED ₩-2	
AND	ECEDENT COMDI	TIONS		RAI	NPALL			RUNOP	P	
Dat Ho-I		Runoff (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	SEPTEMBER	11 - 13,	1968 (CO)	TIBUED)			
							9-12	1000	0.365	0.1630
							,	1115	0.365	0.1661
								1200	0.325	0.1679
								1500	0.223	0.1735
								1630	0.194	0.1756
								1815	0.194	0.1779
								2400	0.168	0.1850
							9-13	600	0.144	0.1914
								1200	0.103	0.1964
								1800	0.103	0.2006
								2400	0.103	0.2048

HOTES: To convert runoff in CFS to IB/BE, multiply by 0.006793. Hunoff values are revised and supersede values previously published for 1968. For 30-day antecedent rainfall and runoff, see tables of daily amounts.



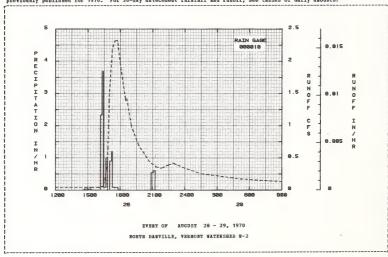
9 SE	LECTED RUNO	PF EVENT			В	ORTH DANVI	LLE, VER	BOHT WATER	SHED W-2	
ARTECR	DENT CONDI	TIONS		BA	IMPALL			BURGE		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EAE	IT OF	JULY 21 -	22, 1969				
,	RG 000010			RG 000	0 10					
7-21	0.0	0.015	7-21	2330	0.0	0.0	7-21	2400	0.504	0.0
				2353	0.1304	0.05	7-22	15	2.325	0.0024
				2358	0.4799	0.09		30	9.560	0.0125
				2400	2.6998	0.18		45	12.984	0.0316
			7-22	4	0.7498	0.23		50	13.839	0.0391
	CONDITIONS								42 507	0.0506
sture or	mostly blue	egrass		17	0.2770	0.29		100	13. 407	0.0546
	rated land o			24	0.5143	0.35		130	7.347	
clover a	and orchard	grass		29	0.6000	0.40		300	2.060	0.1377
y, 37%; a	and forest	stand,		33	1.1998	0.48		600	0.556	0.1644
edominan	tly hardwood	ds, 25%.		36	0.8401	0.55		1200	0.325	0.1824
				53	0.2000	0.60		1245	0.253	0.1839
				106	0.1846	0.64				
				113	0.2571	0.67				
				118	0.9600	075				
				125	0.6001	0.82				
				147	0.1636	0.88				
				212	0.0720	0.91				
				245	0.0727	0.95				

HOTES: To convert runoff in CFS to IM/RE, unltiply by 0.006793. Runoff values are revised and supersede values previously published for 1969. For 30-day antecedent rainfall and runoff, see tables of daily amounts.



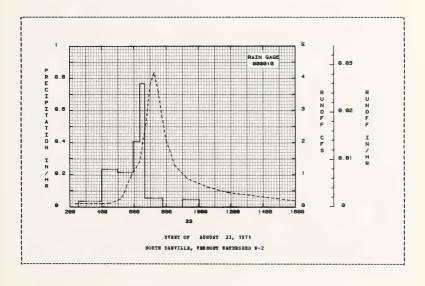
70 SELECTED I	UNOFF I	EVEST						SONT WATER	5880 W-2	
ANTECEDENT CO					INPALL			RUBOP		
Date Rainfa Ho-Day (inche		Runoff inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVE	T OF A	UGUST 28 -	29, 1970				
RG 00001	10			RG 000	010					
8-28 0.0)	0.003	8-28	1440	0.0	0.0	8-28	1200	0.040	0.0
				1520	0.0300	0.02		1520	0.035	0.0008
				1610	0.0	0.02		1610	0.035	0.0010
				1619	2,3332	0.37		1616	0.045	0.0010
				1626	3.6861	0.80		1621	0.057	0.0010
ATERSHED CONDITI										
sture or mostly				1641	0.0800	0.82		1626	0.095	0.0010
%; cultivated la				1650	0.9999	0.97		1633	0.124	0.0011
clover and orch				1702	0.0	0.97		1640	0.253	0.0013
y, 37%; and fore				1712	0.9000	1.12		1649	0.440	0.0017
edominantly hard	lwoods,	25%.		1717	1.2000	1.22		1652	0.693	0.0019
				1749	0.0750	1.26		1655	1.017	0.0022
				2052	0.0	1.26		1658	1.418	0.0026
				2103	0.5455	1.36		1715	2.190	0.0061
				2114	0.5999	1.47		1730	2.325	0.0099
								1745	2.325	0.0138
								1800	1.936	0.0174
								1830	1.386	0.0230
								1836	1.418	0.0239
								1903	0.982	0.0276
								1943	0.693	0.0314
								2043	0.440	0.0352
								2119	0.358	0.0368
								2147	0.339	0.0379
								2205	0.358	0.0386
								2219	0.378	0.0392
								2239	0.398	0.0401
								2253	0.419	0.0408
								2309	0.398	0.0415
								2400	0.339	0.0436
							B-29	134	0.253	0.0467
								510	0.169	0.0519
								754	0.145	0.0548
								1139	0.134	0.0584
								1530	0.095	0.0614
								1850	0.078	0.0634
								2400	0.078	0.0661

NOTES: To convert runoff in CFS to IB/RB, multiply by 0.006793. Runoff values are revised and supersede values previously published for 1970. For 30-day antecedent rainfall and runoff, see tables of daily amounts.



1 SE	LECTED RUSO	F BVENT				ORTH DANVI	LLE, VER	ONT WATER	SHED W-2	
	DENT COMDI				INFALL			RUBOF		
Date No-Day	Rainfall (inches)	Runoff (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			E'	FENT OF	AUGUST 23	, 1971				
	RG 000010			RG 000						
8-23	0.0	0_002	8-23	232	0-0	0.0	8-23	221	0_104	0.0
0 20	•••			359	0-0345	0.05		359	0.104	0.0012
				458	0-2339	0.28		434	0.124	0.0017
				557	0-2136	0.49		509	0.237	0-0024
				622	0.4080	0.66		524	0.440	0.0030
ATERSEED	CONDITIONS:									
	mostly blue			640	0.7667	0.89		534	0.693	0.0036
%: culti	vated land	entirely		747	0.0537	0.95		553	1.017	0.0054
	and orchard			900	0.0	0.95		622	1.418	0.0094
	and forest :			1003	0.9476	1-00		645	2,610	0.0146
	tly hardwood							700	3.786	0.0200
								715	4-175	0.0268
								730	3,601	0.0334
								745	2.761	0.0388
								800	2.060	0-0429
								815	1.701	0.0461
								831	1-290	0.0488
								918	0.879	0.0546
								1035	0.610	0.0611
								1150	0_440	0-0656
								1453	0.253	0.0728
								1859	0.181	0.0788
								2142	0.157	0.0819
								2215	0.157	0.0825
								2226	0.169	0.0827
								2400	0.145	0.0844

MOTES: To convert runoff in CPS to IB/BB, multiply by 0.006793. For 30-day antecedent rainfall and runoff, see tables of daily amounts.



MORTH DAMVILLE, VERMONT WATERSHED W-3

LOCATION: Caledonia County, Vermont; 7.5 mi. NW of St. Johnsbury; Pope Brook, Sleepers River, Connecticut River Basin.

ARRA: 2067.00 acres 3.23 sq. miles

EC	BIHLY	PRECIPI	HOLTET	AND RUNOP	P (inche	s)		HOR	TH DABVI	LLE, VER	HOBT WAT	BRSHED	W-3	
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Boa	Dec	Annual
1971	P Q	3.09 0.691	4.88 0.741	4.91 0.947	3.82 4.829	4.29 7.193	2.83 1.290	5.03 0.672	10.72 1.641	1.85 0.967	3.06 1.035	4.55 0.920	3.95 1.271	52.98 22.196
STA AV	P Q	2.77 1.003	3.46 0.915	3.41 1.492	3.71 6.562	3.82 4.073	4.03 1.519	3.82 0.901	5.03 0.875	3.16 0.720	4.06 1.156	4.65 1.466	3.99 1.338	45.90 22.020
	YBHUY	L HAXIE	UM DISC	HARGE (in,	/hr) AND	BURLKAR	AOLGHE	S OF RUE	OFF (inc	hes) FOR	SELECTE	TIME	INTERVAL	S
		Maxim Discha Date E	rge	1 Hour Date Vol				urs		1	Interval Day Vol.			8 Days ate Vol.
1971		8-3 0	. 051	8-3 0.0	48 8-28	0.089	8-28	0.209 8	-28 0.3	68 5- 3	0.564	5- 2	1.039 5	- 2 3.429
						HAXIHUHS	FOR PE	RIOD OF	BECORD					
		5-20 0 1969		4-21 0.0°	70 4-21 1963	0.130	4-14 1964		-14 0.5 964	90 4-15 1964		4-16 1964		-20 4.440 964

10785: Reterabed conditions: Forcet, predominantly hardwoods, 67H; pasture of mostly himsgrass, 97H; cultivates
Land consisting of closer, orchard grass, and insorth hay with very small area in ove crops, 71H; nat gits and
tall grasses and woody plants, 3M. For map of vaterabed, see HydroLogic Data for Expressed laylicultural
Reterabeds in the United States, 1960-61, USDA Haze. Pab. 99H, p. 67.3-5. Precipitation records began January 1,
1959, Rusoff records began January 1, 1960. For long-time precipitation records, see National Weather Service records at St. Johnsbury, Va

1971	Di	AILY PRECI	HOITATICE	(inches)			NORTH D	ANVILLE,	FERMONT W	TERSBED 1	i-3	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	0.0	0.01	0.03	0.02	0.0	0.0	1.26	0.0	0.0	0.0	0.0	0.0
2	0.02	0.07	0.0	0.28	0.43	0.11	0.0	0.56	0.0	0.25	0.30	0.02
3	0.13	0.0	0.37	0.10	1.01	0.09	0.0	2.74	0.0	0.0	0.0	0.25
4	0.0	0.01	1.15	0.04	0.24	0.01	0.0	0.01	0.0	0.0	0.06	0.0
5	0.11	0.47	0.25	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.10	0.0
6	0.0	0.03	0.05	0.0	0.0	0.0	0.19	0.0	0.0	0.15	0.0	0.10
7	0.19	0.08	0.95	0.28	0.0	0.69	0.0	0.0	0.0	0.08	0.36	0.15
8	0.0	0.92	0.17	0.0	0.01	0.77	0.0	0.0	0.0	0.08	0.20	0.01
9	0.0	0.39	0.04	0.0	0.09	0.0	0.0	0.0	0.0	0.10	0.0	0.31
10	0.04	0.04	0.0	0.70	0.0	0.0	0.0	0.0	0.0	1.55	0.06	0.06
11	0.07	0.01	0.31	0.55	0.0	0.0	0.0	0.41	0.0	0.08	0.13	0.08
12	0.0	0.15	0.05	0.0	0.0	0.0	0.0	0.0	0.58	0.16	0.06	0.0
13	0.0	0.51	0.0	0.0	0.35	0.0	0.37	0.0	0.07	0.0	0.0	0.09
14	0.0	0.28	0.0	0.13	0.01	0.0	0.99	0.0	0.33	0.0	0.0	0.03
15	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.27
16	0.0	0.0	0.07	0.43	0.0	0.0	0.17	0.0	0.01	0.0	0.0	0.25
17	0.0	0.02	0.0	0.0	0.10	0.0	0.56	0.0	0.04	0.0	0.0	0.03
18	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.08
19	0.0	0.0	0.48	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.15	0.05
20	0.0	0.58	0.38	0.0	0.02	0.0	0.0	0.83	0.10	0.0	0.06	0.05
21	0.32	0.08	0.30	0.23	0.43	0.50	0.0	0.19	0.40	0.0	0.06	0.07
22	0.14	0.0	0.01	0.47	0.14	0.0	0.0	0.14	0.0	0.0	0.0	0.07
23	0.21	0.83	0.0	0.05	0.0	0.0	0.0	1.47	0.0	0.0	0.0	0.0
24	0.02	0.05	0.0	0.0	0.02	0.01	0.09	0.0	0-0	0.0	0.0	0.62
25	0.0	0.0	0.0	0.09	0.76	0.65	0-02	0.0	0.0	0.59	1.53	0.19
26	1.15	0.0	0.0	0.02	0.20	0.0	0.0	0.0	0.0	0.02	0.15	0.05
27	0.27	0.11	0.0	0.04	0.27	0.0	0.39	0.43	0.0	0.0	0.04	0.14
28	0.05	0.10	0.0	0.06	0.0	0.0	0.0	3.66	0.0	0.0	0.04	0.20
29	0.05		0.02	0.10	0.0	0.0	0.30	0-07	0.10	0.0	0.57	0.07
30	0.29		0.17	0.23	0.0	0.0	0.0	0.21	0.0	0.0	0.68	0.62
31	0.03		0.0		0.0		0.20	0.0		0.0		0.09
TOTAL	3.09	4.88	4.91	3.82	4.29	2.83	5.03	10.72	1.85	3.06	4.55	3.95
STA AV	2.77	3.46	3.41	3.71	3,82	4.03	3.82	5.03	3.16	4.06	4.65	3.99

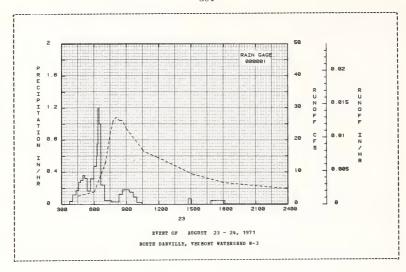
10725: For temperature date sow table of daily marines and minimum values inclined with information for materiand 67,001. Daily precipitation values from rain of seed and 1. All precipitation is rain except for the months of December, January, and February, during which all precipitation is snow or rain on snow. STA AV based on 13 yr (1959-71] record period.

197	71	MEAN DAIL	Y DISCHAF	GE (cfs)			BORTH I	AMVILLE,	VERBORT	WATERSHED	₩ - 3	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	2. 126	1.719	2.494	2.377	29.903	5.131	4.428	1.893	3.667	1.830	2.204	2.518
2	2.126	1.719	2.348	2.718	29.281	4.794	3.534	3.246	3.256	1.929	2.893	2.622
3	2.040	1.719	2.340	6.652	48.892	5.430	2.019	20.498	3.154	2.166	2.827	2.690
4	2.020	1.719	2.442	5. 198	41.300	4.722	1.803	7.411	2.955	1.929	2.622	2.636
5	2,250	1.719	2.925	4.046	38.085	4.302	1.642	3.172	2.810	1.981	2.613	4.261
6	2.249	1.684	2.140	3,942	36.622	4.038	1.713	2.265	2.770	2.109	2.362	2.620
7	2,146	1.737	2.146	3.910	37.055	4.200	1.776	1.869	2.704	2.341	4.020	2.582
8	2.126	1.826	2.235	3.387	33.150	11.056	1.475	1.595	2.495	2.174	3.223	2.582
9	2.126	2.226	2.235	3.789	33.840	6.830	1.318	1.468	2.286	2.190	2.642	2.612
10	2.126	1.932	2.196	5.530	30.984	4.518	1.175	1.389	2.069	9.480	2.492	2.883
11	2.046	1.916	2.126	12.375	29.206	3.902	1.164	1.990	2.041	7.984	2.538	6.053
12	1.994	1.916	2.126	11.891	24.449	3.639	1.216	1.635	5.013	4.001	2.371	4.377
13	1.916	2.461	2.086	11.852	23.897	3.377	1.363	1.284	3.915	3.635	2.348	3.631
14	1.994	4.988	2.330	11.392	17.828	3.111	3.104	1.027	4.459	3.090	2.290	3.399
15	1.994	4.068	3.177	8.402	14.676	3.049	2.121	1.414	3.871	2.798	2.352	3.449
16	1.916	2.690	5.233	7.632	13.198	2.806	1.962	1.210	2.717	2.553	2.314	6,666
17	1.916	2.663	3.825	7.873	13.297	2.621	2.550	0.907	2.579	2.320	2.106	4.754
18	1.860	2.464	3.174	12.052	11.396	2.471	2.240	1.430	3.215	2.238	2.423	3.730
19	1.743	2.236	2.974	24.504	9.903	2.277	2.098	1.109	2.497	2.377	3.062	5.530
20	1.719	2.181	2.938	30.644	8.860	2.159	2.946	2.385	2.242	2,306	4.477	3.569
21	1.719	2.235	2.782	26.946	10.653	3.574	1.788	2.432	3.668	2.181	3.092	3.157
22	1.719	2.235	2.703	24.406	11.289	3.363	1.525	2.018	2.740	2.277	2.661	2.990
23	1.719	2.284	2.584	18.140	8.610	3.541	1.418	9.127	2.337	2.167	2,208	2.957
24	1.719	2.194	2.676	19.711	7-545	2.299	1.384	3.130	2.192	2.086	2.339	3.786
25	1.719	2,126	2.596	22.501	8.734	3.251	1.445	2.010	2.153	3.424	2.183	5.202
26	1.768	2.126	2,433	20.796	13.764	3.703	1.291	1.678	2.086	3.634	2.659	3.616
27	1.916	2.634	2.636	22.624	9.420	2.337	1.603	1.887	1.981	2.914	2.479	3.258
28	1.916	2.958	2.587	26.607	9.300	1.975	1.337	40.374	1.981	2.658	2.552	3.224
29	1.841		2.689	27.779	7.380	1.815	1.423	10.202	2.126	2.435	2.582	3.190
30	1.792		2.567	29.653	6.428	1.719	1.698	5.751	2.029	2.334	2.947	2.990
31	1.719		2.464		5.741		1.778	4.724		2.339		2.861
EAB	1.935	2.299	2.652	13.977	20.151	3.734	1.882	4.598	2.800		2.663	3.56
CHES	0.691	0.741	0.947	4.829	7.193	1.290	0.672	1.641	0.967		0.920	1.27
VA AT	1.003	0.915	1.492	6.562	4.073	1.519	0.901	0.875	0.720	1.156	1-466	1.33

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.011515. STA AV based on 13 yr (1960-71) record period.

	DENT CONDI	TONG			NPALL			RUNOE		
Date	Rainfall	Runoff	Date			100	Dodo	Time	Rate	Acc.
	(inches)				(in/hr)	(inches)	Ho-Day	of Day		(inches)
			EAE	BT OF A	JGUST 23 -	24, 1971				
	RG 000001			RG 000						
8-23	0.0	0.006	8-23	343	0.0	0.0	8-23		2.582	0.0
				359	0.0375	0.01		601	3.946	0.0024
				419	0.1200	0-05		703	12.860	0.0066
				433	0.1715	0.09		732	22.707	0.0107
				444	0.2727	0.14		747	26.104	0.0136
WATERSHED	CONDITIONS:	:								
7% forest	land: 19% :	pastured		458	0.3000	0.21		800	26.995	0.0164
and: 11%	hay and 3% i	dle		508	0.3600	0.27		805	26, 995	0.0175
	dense grass			521	0.3231	0.34		821	26.104	0.0209
rush drow				539	0.1666	0.39		836	26.104	0.0240
,				558	0.3158	0.49		900	23,531	0.0288
				550	000100	****		500	230331	000200
				612	0-4714	0.60		1037	16.356	0.0442
				617	0.6000	0.65		1200	14.391	0.0544
				621	0.7498	0.70		1507	9.326	0.0721
				628	1.2001	0.84		1800	6.617	0.0831
				637	1.0000	0.99		2400	4.751	0.0995
				0.57	1.0000	0. 55		2400	4.751	0.0993
				657	0.2400	1.07	8-24	559	3_647	0.1115
				736	0-0462	1.10	0 2-1	1200	3.089	0.1212
				818	0.0286	1.12		1800	2.348	0.1290
				837	0.1263	1. 16		2400	2. 126	0.1354
				917	0.1800	1. 28		2400	2. 120	0.1334
				,,,	0. 1000	1.20				
				937	0.1500	1.33				
				957	0.0900	1.36				
				1025	0.0314	1.37				
				1443	0.0214	1.37				
				1501	0.0666	1.39				
				1501	0.0666	1.39				
				1649	0.0	1 39				
				1807	0.0462	1.45				
				2400	0.0462	1.47				

NOTES: To convert runoff in CPS to IB/HR, multiply by 0.0004798. For 30-day antecedent rainfall and runoff, see tables of daily amounts.



NORTH DARVILLE, VERMONT WATERSHED W-4

LOCATION: Caledonia County, Vermont; 4.7 mi. HW of St. Johnsbury; Morrill Brook, Sleepers Biver, Connecticut Biver

AREA: 10752.00 acres 16.80 sq. miles

HC	PETEL	PRECIP	HOITATI	AND RUNO	PF (inche:	5)		BOR	H DYMAI	LLE, VE	RHOHT WA	TERSEE	N-4		
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	HOA	Dec	1	nnual
1971	P Q	2.28 0.466	3.53 0.570	2.95 0.804	2.58 4.934	3.00 6.725	2.61 1.085	3.46 0.464	8.21 1.441	1.36 0.712	2.14 0.789	2.85 0.69			8.13 9.698
TA AV	P	1.91	2.30 0.779	2.31 1.560	2.95 5.765	3.11 3.823	3.33 1.364	3.19 0.701	4.24 0.660	2.48 0.524	3.28 0.978	3,54 1,35			5.75 19.527
	ANNU	Maxi	NUB		n/hr) AND	B	aximum	Volume for	Select	ed Time	Interva	 1			
	ANNU		num arge	HARGE (in	2 1	B	aximum 6 Ho	Volume for	Select	ed Time	Interva	1 2 Da	 .ys	8 [ays Vol.
1971	ANNU	Maxi Disch	mum arge Rate	1 Hour	2 E 1. Date	iours Vol.	aximum 6 Ho Date	Volume for	Select Bours e Vol.	ed Time 1 Date	Interva Day Vol.	l 2 Da Date	ys Vol.	8 Date	
1971	ANNU	Maxi Disch Date	mum arge Rate	1 Hour Date Vol	2 H 1. Date	Nours Vol.	aximum 6 Ho Date 8-28	Volume for urs 12 Vol. Dat	Select Bours e Vol.	ed Time 1 Date	Interva Day Vol.	l 2 Da Date	ys Vol.	8 Date	Vol.

NOTES: Forest, 74%; caltivated, 12%; pasture, 12%; and idle, 2%. For any of satero-hel, see Hydrologic Data for Experimental Agricultural Materiaches in the Baited States, 1967, USDA Bisc. Pub. 1262, p. 67.4-19. Precipitation records began 1959. Benoff records began January 1, 1960. For long-time precipitation records, see Mational Weather Service records at St. Johnsbury, Vt.

1971	D	AILY PREC	IPITATION	(inches)			HORTH	DANVILLE,	VERMONT	WATERSHED	9-4	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bo₹	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.09	0.0	0.0	0.0	0.0
2	0.01	0.01	0.0	0.27	0.35	0.13	0.0	0.41	0.0	0.05	0.20	0.0
3	0.04	0.0	0.25	0.14	0.69	0.12	0.0	2.50	0.0	0.0	0.0	0.15
4	0.09	0.0	0.61	0.0	0.08	0.0	0.0	0.01	0.0	0.0	0.05	0.0
5	0.0	0.30	0.14	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.02	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.18	0.0	0.35
7	0.05	0.05	0.79	0.24	0.0	0.65	0.0	0.0	0.0	0.02	0.05	0.14
8	0.0	0.78	0.04	0.01	0.01	0.51	0.0	0.0	0.0	0.0	0.0	0.02
9	0.0	0.16	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.10	0.0	0.24
10	0.03	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.0	1.20	0.0	0.05
11	0.07	0.0	0.21	0.30	0.0	0.0	0.0	0.30	0.0	0.02	0.0	0.09
12	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.09	0.19	0.0
13	0.0	0.51	0.0	0.0	0.30	0.0	0.35	0.0	0.06	0.01	0.0	0.04
14	0.16	0.09	0.0	0.04	0.0	0.0	0.34	0.0	0.31	0.0	0.0	0.01
15	0.04	0.01	0.09	0.0	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.39
16	0.0	0.0	0.03	0.11	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.04
17	0.0	0.05	0.0	0.0	0.45	0.0	0.28	0.0	0.11	0.0	0.0	0.01
18	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.06
19	0.0	0.0	0.35	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.06	0.04
20	0.0	0.54	0.25	0.01	0.03	0.0	0.0	0.76	0.04	0.0	0.02	0.06
21	0.30	0.07	0.07	0.24	0.36	0.54	0.0	0.13	0.20	0.0	0.04	0.01
22	0.10	0.0	0.02	0.11	0.13	0.0	0.0	0.26	0.0	0.0	0.0	0.04
23	0.16	0.62	0.0	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0
24	0.0	0.07	0.0	0.0	0.01	0.0	0.07	0.0	0.0	0.0	0.0	0.44
25	0.01	0.02	0.0	0.05	0.25	0.66	0.01	0.0	0.0	0.46	1.17	0.06
26	0.72	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.01	0.08	0.02
27	0.11	0.14	0.0	0.06	0.11	0.0	0.16	0.33	0.0	0.0	0.02	0.12
28	0.02	0.0	0.0	0.06	0.0	0.0	0_0	2.17	0.0	0.0	0.02	0.17
29	0.03		0.04	0.09	0.0	0.0	0.31	0.02	0.06	0.0	0.40	0.03
30	0.27		0.06	0.11	0.0	0.0	0.0	0.18	0.0	0.0	0.55	0.50
31	0.03		0.0		0.0		0.41	0.0		0.0		0.08
OTAL	2.28	3.53	2.95	2.58	3.00	2.61	3.46	8.21	1.36	2.14	2.85	3.16
VA AT	1.91	2.30	2.31	2.95	3, 11	3.33	3.19	4.24	2.48	3.28	3-54	3.10

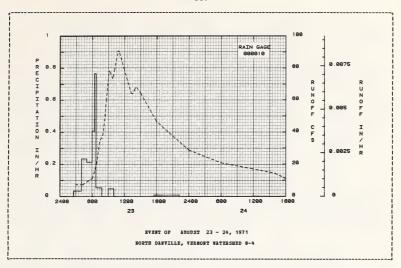
NOTES: For temperature data see table of daily marisum and minimum values included with information for Watershed 67.001. Daily precipitation values from rain gage N-10. All precipitation is rain except for the months of December, January, and February, during which all precipitation is snow or rain on snow. STA AV based on 13 yr (1959-1971) record period.

1971		HEAR DAIL	Y DISCHAR	GE (cfs)			HTROM	DANVILLE,	VERNONT	WATERSHED	9-4	
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul .	Aug	Sep	0ct	Bov	Dec
1	7.67	6.06	13.50	10.97	143.00	24.54	26.24E	6.62	14.73	6.20	8.32	10.6
2	7.67	5.85	11.06	11.74	141.61	22.53	21.73E	9.81	11.97	5.81	10.03	10.1
3	7.67	5.69	10.40	21.42	240.41	27.13	6.01E	111.98	10.85	5.85	12.51	10.1
th.	7.67	5.64	10.67	35.15	209.21	23.62	4-69E	55.15	10.38	5.52	10.10	10.0
5	8.11	5.79	10.23	21.84	171.66	19.94	5.54	18.72	10.23	5.40	9.74	9.4
6	9.10	5.85	9.65	19.84	171,71	18.02	5.18	11.24	10.79	6.08	8.99	9.2
7	8.79	5.85	9.87	18.70	172.71	17.29	5.77	8.18	9.44	7.72	18.49	9.5
8	8.24	5.90	9.81	15.352	155.54	48.32	4.55	6.31	8.55	6.86	16.06	9.8
9	7.19	6.64	9.39	15.48E	157.71	38.12	3.91	5.49	7.55	6.85	11.74E	10.3
10	6.95	7.52	9.23	21.75	145.99	22.10	3.53	4.59	6.64	33. 15	10.93E	11.4
11	6.95	8.07	9.23	64.72	141.69	18.27	2.98	5.27	6.21	46.36	10.56	24.5
12	6.95	7.42	9.23	72.45E	122.33	15.77	2.54	6.20	14.22	18.75	10.27E	28.6
13	6.78	7.61	9.22	62.74	118.91	14.23	2.53	4.29	17.07	14.55	10.38E	18.3
14	6.72	9.76	9.68	59.40	90.27	12.62	11.72	3.57	17.28	12.70	9.88E	14.2
15	6.72	12.88	12.85	48.46	73.84	11.99	10.84	3.14	17.74	11.33	8.40	14.4
16	6.72	18.01	17.19	43.41	67.41	11.29	6.00	3.14	12.44	10.48	8.29	31.0
17	6.38	17.71	23.50	45.79E	69.80	10.76	6.47	2.62	12.32	9.75	8.26	25.7
18	6.08	13.71	18.44	57.39	58.42	9.39	11.67	2.51	14.56	9.15	9.32	16.3
19	5.90	10.68	13.81	130.17	50.63	8.67	7.12	2.20	12.23	8.56	11.17	11.1
20	5.69	9.90	13.22	168.32	44.29	7.85	13.13	3.65	10.41	8.53	16.68	14.6
21	5.49	9.94	12.37	146.09	49.82	10.81	7.26	8.66	14.16	8,63	13.002	14.5
22	5.64	9.51	11.72	136.43	61.37	14.63	4.90	6.65	12.03	8.20	10.76	12.0
23	5.85	9.34	11.05	105.33	43.77	9.37	3.97	41.50	9.52	8.17	7.23	10.8
24	5.85	9.51	11.07	108.01	36.51	9.53	3.39	17.71	8.25	8.17	5.53	12.3
25	5.85	9.27	10.72	126.08	35.94	11.16	3.73	8.83	7.42	13.28	6.68	22.4
26	6.11	9.23	10.55	114.76	71.63	21.94	3.30	6.32	7.03	17.68	8.23	19.6
27	6.49	9.92	10.70	122.88	47.73	10.46	3.41	5.86	6.66	13.43	10.50	15.0
28	6.49	14.01	11.27	135.47	49.10	7.54	3.46	177.15	6.61	11,02	10.30	14.0
29	6.33		11.64	147.66	36.34	6.33	3.08	55.91	6.89	9.58	10.08	13.0
30	6.27		11.13	141.29	30.68	5.97E	5.20	26.35	7.27	8.96	10.52	12.3
31	6.27		10.98		27.82		5.94	21.36		9.51		12.0
EAN	6.792	9.188	11.722	74.302	97.993	16.340	6.768	20.999	10.715	11.492	10.432	14.7
NCBES	0.466	0.570	0.804	4.934	6.725	1.085	0.464	1.441	0.712	0.789	0.693	1.0
TA AV	0.840	0.779	1.560	5.765	3.823	1.364	0.701	0.660	0.524	0.978	1.353	1.1

BOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.002213695. STA AV based on 12 yr (1960-1971) record period.

ARTECEDERT COND. Date Rainfall Ho-Day (inches) RG 000010 8-23 0.0	Runoff (inches)	Ho-Day	Time	BPALL			RUNOP		
Bo-Day (inches)	(inches)	Ho-Day			3.00	Date		Rate	Acc.
RG 000010			of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
				IGUST 23 -					
		DVD			24, 19/1				
8-23 0.0			RG 0000						
	0.002	8+23	100	0.0	0.0	8-23	252	7.423	0.0
			232	0.0	0.0		412	7.423	0.0009
			359	0.0345			601	11.285	0.0025
			458	0.2339	0.28		648	20.296	0.0036
			557	0.2136	0.49		721	33.836	0.0050
ATERSHED CONDITION									
% forest land; 12%			622	0.4080	0.66		802	39.515	0.0073
nd; 12% cultivated			640	0.7667	0.89		838	61.552	0.0101
nd with dense gras	s and		747	0.0537	0.95		905	78.269	0.0130
ush growth.			900	0.0	0.95		927	76.291	0.0156
			1003	0.0476	1.00		948	73.382	0.0180
			1729	0.0	1.00		1012	80,276	0.0209
			2212	0.0085	1.04		1044	90.778	0.0251
							1057	90.778	0.0269
							1200	78.269	0.0351
							1315	64.172	0.0433
							1331	64.172	0.0449
							1400	67.767	0.0478
							1416	67.767	0.0495
							1459	64.172	0.0538
							1759	46.456	0.0691
							2400	28.678	0.0900
						8-24	601	20.742	0.1037
							1200	16.939	0.1141
							1600	14.296	0.1199

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.000092. For 30-day antecedent rainfall and runoff see tables of daily amounts.



NORTH DANVILLE, VERMONT WATERSHED W-5

LOCATION: Caledonia County, Vermont; 2 mi. NW of St. Johnsbury; Sleepers River, Connecticut River Basin.

AREA: 27469.00 acres 42.92 sq. miles

BC.	PIHLY	PRECIP	ITATION	AND EUNO	PF (inches	5)		1	ORTH I	DARVILI	E, VEB	HOET WAS	PERSHE	D W-5		
		Jan	Peb	Har	Apr	May	Jun	Jul	Aug	, S	Sep	Oct	FOV	Dec	1	nnual
1971	P Q	2.28 0.768	3.53 1.038	2.95 1.554	2.58 6.807	3.00 7.679	2.61 1.343	3.46 0.675	8.2		1.36 1.007	2.14 1.133	2.85 1.03			8.13 6.323
STA AV	P Q	1.91 1.280	2.30 1.178	2.31 2.275		3.11 3.338	3.33 1.116	3.19 0.602	0.6		2.48 3.479	3.28 0.954	3.54 1.38			5.75 0.676
	ANNU			HARGE (in	n/hr) AND									INTERV	ALS	
		Haxi Disch Date	arge	1 Hour Date Vol	2 H L. Date		6 Ho		12 Bo	ours	1	Interval Day Vol.	2 Da			ays Vol.
1971		8-28	0.072	8-28 0.0	71 8-28	0.138	8-28	0.341	8-28	0.524	5- 3	0.723	5- 2	1.273	5- 1	3.720
					2	SHUBIXAN	FOR P	ERIOD O	RECOR	D						
		5-20	0.080	5-20 0.0		0.146		0.351		0.574		0.861	9-17	1.368	4-13	3.928

10775: Reterabed conditions: Forest prodominantly hardwoods, 67%: cultivated land consisting of sortly cloves orchaid grass, and thusby hay with very little in tow crops, 17%; pasture of mostly bluegrass, 13%; 3dle land in tall grasses and woody plants, 2%; and homesites and roads, 1%. For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1960-61, USDA Rinc. Pab. 994, 67.5-5. Precipitation records began January 1, 1950. For long-time precipitation records began January 1, 1960. For long-time precipitation records, see

1971	D.i	ILY PREC	PITATION	(inches)			NORTH 1	DANVILLE,	VERMONT !	MATERSHED	₩-5	
Day	Jan	Peb	Har	Apr	Hay	Jun	Ju1	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.09	0.0	0.0	0.0	0.0
2	0.01	0.01	0.0	0.27	0.35	0.13	0.0	0.41	0.0	0.05	0.20	0.0
3	0.04	0.0	0.25	0.14	0.69	0.12	0.0	2.50	0.0	0.0	0.0	0.15
4	0.09	0.0	0.61	0.0	0.08	0.0	0.0	0.01	0.0	0.0	0.05	0.0
5	0.0	0.30	0.14	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.02	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.18	0.0	0.35
7	0.05	0.05	0.79	0.24	0.0	0.65	0.0	0.0	0.0	0.02	0.05	0.14
8	0.0	0.78	0.04	0.01	0.01	0.51	0.0	0.0	0.0	0.0	0.0	0.02
9	0 - 0	0.16	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0 10	0.0	0.24
10	0.03	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.0	1.20	0.0	0.05
11	0.07	0.0	0.21	0.30	0.0	0.0	0.0	0.30	0.0	0.02	0.0	0.09
12	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.09	0.19	0.0
13	0.0	0.51	0.0	0.0	0.30	0.0	0.35	0.0	0.06	0.01	0.0	0.04
14	0.16	0.09	0.0	0.04	0.0	0.0	0.34	0.0	0.31	0.0	0.0	0.01
15	0.04	0.01	0.09	0.0	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.39
16	0.0	0.0	0.03	0.11	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.04
17	0.0	0.05	0.0	0.0	0.45	0.0	0.28	0.0	0.11	0.0	0.0	0.01
18	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.06
19	0.0	0.0	0.35	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.06	0.04
20	0.0	0.54	0.25	0.01	0.03	0.0	0.0	0.76	0.04	0.0	0.02	0.06
21	0.30	0.07	0.07	0.24	0.36	0.54	0.0	0.13	0.20	0.0	0.04	0.01
22	0.10	0.0	0.02	0.11	0.13	0.0	0.0	0.26	0.0	0.0	0.0	0.04
23	0.16	0.62	0.0	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0
24	0.0	0.07	0.0	0.0	0.01	0.0	0.07	0.0	0.0	0.0	0.0	0.44
25	0.01	0.02	0.0	0.05	0.25	0.66	0.01	0.0	0.0	0.46	1.17	0.06
26	0.72	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.01	0.08	0.02
27	0.11	0.14	0.0	0.06	0.11	0.0	0.16	0.33	0.0	0.0	0.02	0.12
28	0.02	0.0	0.0	0.06	0.0	0.0	0.0	2.17	0.0	0.0	0.02	0.17
29	0.03		0.04	0.09	0.0	0.0	0.31	0.02	0.06	0.0	0.40	0.03
30	0.27		0.06	0.11	0.0	0.0	0.0	0.18	0.0	0.0	0.55	0.50
31	0.03		0.0		0.0		0.41	0.0		0.0		0.08
OTAL	2.28	3.53	2.95	2.58	3.00	2.61	3.46	8.21	1.36	2.14	2.85	3.16
TA AV	1.91	2.30	2.31	2.95	3, 11	3.33	3.19	4.24	2.48	3.28	3.54	3.10

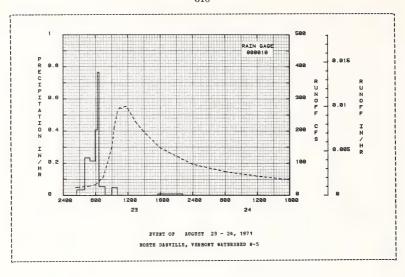
NOTES: For temperature data see table of marinum and mainum values included with internation for staterahed 67.001 baily precipitation values from rain oage R=10. All precipitation is rain except for the months of December, January, and February, during which all precipitation is snow or rain on snow. STA AV based on 13 yr (1959-1971) record period.

197	71	MEAN DAI	LY DISCHAF	GE (cfs)			HORTH	DANVILLE,	VERMONT	WATERSHED	₩-5	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	₩ov	Dec
1	32.15	26.91	62.31	51.71	440.02	72.15	66.17	26.49	53.32	23.12	32.91	23.12
2	32.15	25.90	50.43	55.08	426.89	65.24	82.98	41.81	44.10	21.66	38.53	26.25
3	32.15	25.02	47.35	108.78	802.62	80.93	36.68	370.34	40.12	23.48	48.01	26.13
4	32.15	24.70	48.20	162.37	674.96	72.04	25.72	191.61	37.93	21.69	40.18	26.16
5	32.73	24.89	47.53	104.58	524.63	61.49	21.14	67.40	37.42	21.40	37.84	36.33
6	36.74	24.70	43.33	95.61	499.68	55.50	20.28	41.51	37.01	23.16	36.19	28.35
7	36.33	24.70	43.18	94.34	504.87	52.70	22.58	30.84	34.52	30.79	68.16	26.45
8	34.72	24.94	44.31	77.85	442.21	164.89	18.61	24.24	31.98	26.06	63.07	26.45
9	30.98	28.26	43.18	75.61	451.83	136.15	17.08	21.17	28.33	24.43	42.34	28.10
10	30.62	32.24	41.32	103.79	404.84	71.61	15.95	18.73	29.56	116.92	41.47	33.52
11	30.18	34.79	41.25	259.82	379.58	56.54	13.54	21.91	24.61	151.67	43.18	93.45
12	30.36	34.07	41.99	290.91	325.03	48.71	12.27	26.43	45.17	65.67	42.85	90.70
13	28.55	34.35	41.80	269.05	322.55	42.74	12.15	18.65	56.17	52.08	43.14	59.4
14	27.35	47.01	44.54	241.63	247.54	39.52	34.04	16.04	58.71	45.75	32.96	42.85
15	27.35	58.80	64.83	186.02	202.47	38.60	34.19	14.75	62.01	41.26	37.37	43.9
16	27.35	83.13	110.72	158.74	182.55	35.80	21.36	14.59	44.31	37.56	34.97	101.51
17	27.35	92.62	144.91	164.88	192-37	33.79	23.56	12.93	46.92	35.52	36.43	80.0
18	26.86	79.37	102.54	226.32	163.18	29.49	37.47	12.19	52.89	34.73	40.41	49.35
19	24-22	59.08	70.43	475.75	141.16	26.60	24.69	11.05	43.33	33.40	46.90	35.22
20	23.35	48.15	67.03	591.21	126.39	23.25	48.14	13.04	36.49	32.15	69.99	44.08
21	23.43	46.05	62.02	500.44	138.39	35.75	27.82	34.78	50.50	32.15	52.68	42.13
22	23.07	43.24	57.16	454.05	178,63	50.64	19.38	26.33	43.76	32.15	45.19	35.6
23	24.48	41.99	55.21	336.92	132.26	32.69	15.88	127.74	35.08	32.15	31.60	29.48
24	24.70	42.89	55.52	338.72	109.60	27.23	14.57	62.21	30.79	31.28	23.57	34.29
25	25.27	41.11	52.38	393.37	103.77	31.33	15.72	33.96	27.81	49.23	28.31	59.06
26	25.65	40.53	49.58	356.70	185.48	62.63	14.61	25.76	27.07	65.46	30.94	53.19
27	27.24	43.14	49.27	371.23	132.03	33.80	14.14	23.81	25.68	50.92	32.17	41.52
28	27.35	65.93	51.77	410.86	143.44	25.58	14.18	719.55	24.75	42.88	27.13	39.49
29	27.35		55.51	459.71	109.32	22.79	13.28	203.40	25-61	38.05	26.68	36.88
30	27.35		52.76	439.97	92.17	20.27	20.71	95.16	26.76	35.52	21.97	34.24
31	27.35		51.31		81.82		19.99	76.45		34.76		33.17
EAH	28.61	42.80	57.86	261.86	285.88	51.68	25. 12	78.22	38.76	42.16	39.90	43.8
HCHES	0.768	1.038	1.554	6.807	7-679	1.343	0.675	2.101	1.007	1.133	1.037	1.17
VA AT	1.280	1.178	2.275	6.111	3.338	1.116	0.602	0.621	0.479	0.954	1.389	1.33

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.0008665. STA AV based on 12 yr (1960-1971) record period.

AMMECON	ENT COMDI	TORC		na:	INPALL			REHOI		
Date Mo-Day	Rainfall (inches)		Date No-Day	Time	Intensity (in/hr)		Date	Time	Rate	Acc.
		(Inches)			(14/41)	(Inches)		OI Day	(CIS)	
			E₹E	HT OF A	UGUST 23 -	24, 1971				
R	G 000010			RG 0000	0 10					
8-23	0.0	0.002	8-23	100	00	0.0	8-23	217	24.696	0.0
				232	0.0	0.0		307	25.564	0.0008
				359	0.0345	0.05		445	28.276	0.0024
				458	0.2339	0.28		600	33, 166	0.0038
				557	0.2136	0.49		727	56.208	0.0061
	CONDITIONS:									
7% forest;	17% hay;	3%		622	0.4080	0.66		905	152.535	0.0123
astured la	nd: 2% idle	land		640	0.7667	0.89		928	209.080	0.0148
ith dense	brush and o	rass		747	0.0537	0.95		1007	262,217	0.0203
rowth; 1%	homesites a	nd		900	0.0	0.95		1030	272-992	0.0240
oads.				1003	0.0476	1.00		1054	269.372	0.0279
				1729	0.0	1,00		1123	276.643	0.0327
				2212	0.0085	1.04		1143	276.643	0.0360
								1200	269.372	0.0388
								1327	228, 162	0.0518
								1500	196.910	0.0637
								1758	147.461	0.0821
								2400	96.312	0.1087
							8-24	602	72,990	0.1271
								1200	59.065	0.1413
								1759	48, 142	0.1529
										001023
								2400	40-814	0.1626

NOTES: To convert CFS to IM/MM, multiply by 0.000036104. For 30-day antecedent rainfall and runoff, see tables of daily amounts.



REYNOLDS, IDAHO WATERSHED W-1 (036068)

LOCATION: Owyhee County, Idaho; 3% miles south of Hampa; north flowing tributary to the Snake Biver.

AREA: 57700.00 acres 90.20 sq. miles

HC	NTHLY	PRECIP	ITATION	AND BUS	OFF (inc	ches)		RE	NOLDS, II	AHO WA	TERSHED	W-1 (0	36068)		
		Jan	Peb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Annual
	P	3.24	1.24	3.53	1.27	1, 17	2.74	0.53		2.24	1.61	2.70			23.66
1971	Q	0.950	0.384	0.869	0.919	0.915	0.299	0.074	0.025	0.021	0.068	0.11	7 0.1	93	4.832
STA AV	P	3.99	1.30	1.73	1.36	1.04	1.92	0.33		0.93	1.45	2.35			19.85
	Q	0.522	0.289	0.311	0.539	0.587	0.291	0.039	0.024	0.014	0.023	0.04	9 0.2	30	2.917
	DHHA	AL BAXI	HUM DIS	CHARGE ((in/hr) I	ND MAXINU	MOLUM)	ES OF RUNC	FF (inche	s) FOR	SELECTE	D TIME	INTERV	ALS	
	ANU	Baxi	mum arge	1 Hou	ır	2 Hours	Maximum 6 Ho	Volume fo	or Selecte	d Time	Interva Day	1 2 D	ays	8	Days
	ANNU	Haxi	mum arge		ır		Maximum 6 Ho	Volume fo	or Selecte	d Time	Interva	1	ays	8	Days Vol.
1971	ANNU	Baxi	mum arge Rate	1 Hou	r ol. Da	2 Hours	Maximum 6 Ho Date	Volume for	or Selecte 12 Hours ite Vol.	d Time 1 Date	Interva Day	l 2 D Date	ays Vol.	8 Date	Vol.
1971	ANU	Maxi Disch Date	mum arge Rate	1 Hou Date V	r ol. Da	2 Hours te Vol.	Maximum 6 Ho Date	Volume for	or Selecte 12 Hours 14e Vol.	d Time 1 Date	Interva Day Vol.	l 2 D Date	ays Vol.	8 Date	Vol.

NOTES: Reterated conditions: production-ty-apphruch rangeland, 95%; small study of forces, 2%; personner icids of forces, 2%; personner icids of flood irrelated affails, 3%. For revised may, one syndrogucic bats (or brevetes the legicalitative Natersheds in the United States, 1966, USDA Hisc. Pub. 1330, p. 66.1-6. Records began 1963. Precipitation data are Thiessen weighted average "Computed Actual' amounts from 45 ratin agages. Station average recipitation amounts are based on 1968-71 data. Station average runoff amounts are based on the 1963-71 record period. For long-time precipitation accords, see Rational Weather Service records at Boise, Idaho; 50 miles Nr. of watershed.

197	1 DA	ILY	AIR I	EMPE	RATUR								RE	TNOL	DS, I	DAHO	WATE	RSHE	D W-	(03	36068)			
Day	Ja:		Pe man		NAT	r	Ap		ña	у	Jt man	ın	Ju		aa x		Se		na x		na x		De man	
1	28	19	51	30	29	16	51	20	76	39	53	43	84	46	98	62	82	40	54	38	43	31	36	20
2	25	16	40	30	36	15	54	30	76	44	58	41	74	54	94	73	63	50	58	36	41	28	30	26
3	21	10	40	24	49	31	53	28	74	49	63	37	72	42	98	72	66	47	66	39	50	23	34	27
5	20	8	41 36	25 16	37 33	22 13	59 63	24 26	67 64	46	63 70	42	84 76	42 50	95 96	64 71	74 89	39 46	70 73	39 45	55 37	28	32 46	27
5	22	3	36	16	33	13	6.3	26	64	48	70	4.3	76	50	96	/ 1	89	46	/3	45	3/	20	46	31
6	20	Б	42	18	40	11	65	36	63	nu	76	42	73	50	92	64	73	57	76	44	41	14	42	25
7	20	14	44	22	48	22	51	31	68	41	81	47	76	42	92	66	69	43	74	51	43	20	22	14
8	43	16	44	20	47	24	57	24	66	43	70	47	86	50	95	62	79	36	75	45	46	21	23	13
9 10	44	40	43	19	52	20	65	40	68	47	73	45	88	64	96	62	79	52	76 77	44	51	32	39	23
10	44	35	61	34	51	30	54	29	70	40	63	49	70	46	95	64	91	46	//	44	55	34	33	28
11	42	32	54	30	49	33	47	28	72	42	71	42	71	45	93	63	78	53	72	46	52	39	28	24
12	34	16	54	28	47	33	50	29	76	47	79	41	80	46	96	57	81	41	66	44	43	39	30	25
13	29	18	53	30	38	28	62	37	64	40	80	52	84	48	100	60	78	47	75	40	42	37	31	25
14	38	21	54	27	43	25	68	38	68	36	69	44	88	52	90	65	68	46	48	36	38	31	36	28
15	44	36	51	28	40	25	55	43	76	39	76	50	94	56	91	58	68	40	44	26	39	29	30	26
16	51	37	43	21	34	20	59	31	47	35	73	45	97	62	87	60	62	40	41	34	4.1	23	35	27
17	51	36	39	31	33	18	46	37	5.3	32	74	43	93	65	84	54	58	36	47	32	40	27	39	20
18	44	35	45	31	39	13	49	33	61	32	71	50	86	67	87	51	61	29	50	34	37	28	32	14
19	60	32	31	25	45	15	60	32	65	3.3	75	47	87	63	93	52	73	32	53	45	46	32	34	10
20	52	25	41	24	53	23	58	35	47	30	87	48	88	61	90	65	65	43	53	40	45	27	41	22
21	38	24	43	21	54	36	54	35	56	40	91	50	90	58	88	58	63	37	50	29	42	32	46	34
22	34	22	39	26	54	38	58	39	67	44	94	48	88	64	86	54	70	33	58	40	45	26	47	36
23	40	34	42	26	50	41	49	37	69	40	87	56	91	56	75	39	77	34	53	38	цц	23	40	33
24	42 46	35	50	32	50	37	40	36	77	40	87	49	91	59	84	40	77	48	48	35	49	34	40	29
25	46	40	32	24	47	33	55	32	71	46	77	56	89	59	BB	50	58	40	54	29	40	32	42	25
26	57	36	33	20	55	33	55	35	77	51	58	51	88	59	91	50	52	34	53	40	44	32	31	16
27	50	28	33	21	45	30	58	33	79	53	60	45	91	60	90	60	51	32	36	28	40	33	28	8
28	48	27	26	17	49	25	64	39	68	47	62	41	91	58	89	55	56	28	29	20	43	34	26	9
29 30	53 58	24			60 58	32	65	34	73	40	67	38	94	61	90	57	47	32	36	18	39	34	30	10
31	58 58	44			58 44	33 27	70	38	58 60	44	76	42	94 95	67	83 75	52 52	41	36	40 35	30 29	39	28	31 35	15 15
AV.	41		43	25	45	26		33		42		46		55	90	58	68		56	37		29	34	22
HEAN STA AV	33. 37		34 45		35		44		54			- 3	70		74			.5		-5		- 4		1.3
STA AV	3/	21	45	26	47	26	55	29	67	39	74	47	86	52	85	51	74	43	61	33	48	27	38	21

MOTES: Temperature data taken from hygrothermograph record at station 076159. STA AV is average for 9 yr (1963-71) record period.

-00 -00 -00	0.0 0.00 0.00	0.00			Jun	Jul	Aug	Sep	0ct		
-00 -00	0.00	0.00	0.00				Aug	sep	UCT	Nov	Dec
-00	0.00			0.00							0.01
.0											0.03
							0.01			0.00	0.08
.01											0.09
	0.03	0.00	0.00	0.00	0.01	0.00	0.07	0.00	0.0	0.00	0.46
											0.25
											0.01
											0.18
										0.00	0.13
.03	0.13	0.08	0.23	0.0	0.10	0.00	0.0	0.0	0.0	0.00	0.07
. 15	0.00	0-09	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.01	0.01
											0.21
										0.14	0.14
.09	0.00	0.03	0.03	0.00	0.00	0.00					0.12
-21	0.15	0.06	0.02	0.09	0.0	0.00	0.0	0.0	0.00		0.05
- 18	0.01	0.59	0-12	0-10	0-00	0.00	0.0	0.00	0.51	0.0	0.00
.03	0.15	0.01	0.01	0.00	0.0	0.00					0.00
. 36	0.25	0.0	0.08	0.00	0.00	0.00	0	0.0	0.01		0.00
-02	0.10	0.00	0.00	0.00	0.00	0.32	0.0	0.00	0.15	0.00	0.00
.06	0.00	0.00	0.21	0.00	0.00	0.01	0.00	0.01	0.06	0.00	0.00
-01	0.00	0.01	0.04	0.01	0.00	0.02	0.0	0.0	0.00	0-00	0.00
. 09	0.00	0-27	C-01	0.00	0.0	0.14					0.31
.08	0.00	0.52	0.21	0.00	0.00	0.02	0.00	0.0		0.00	0.06
											0.00
. 17	0.02	0.27	0.06	0.01	0.52	0.00	0.0	0.02	0.00	0.06	0.42
											0.03
										0.06	0.00
											0.00
- 00											0.07
-00			0.00			0.0					0.01
-00		0.00		0.07		0.00	0.00		0.03		0.00
						0.53			1.61	2.70	2.76
.99	1.30	1.73	1.36	1.04	1.92	0.33	1.15	0.93	1.45	2.35	2.29
化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	.04	.04 0.00 .48 0.00 .00 0.01 .01 0.01 .03 0.13 .15 0.00 .07 0.0 .09 0.00 .09 0.00 .09 0.00 .03 0.15 .36 0.25 .03 0.15 .36 0.25 .01 0.00 .09 0.00 .00 0.00 .00 0.00 .00 0.00 .00 0.00 .00 0.00 .00 0.00 .00 0.00 .00 0.00 .00 0.00	.04 0.00 0.01 .48 0.00 0.03 .01 0.03 0.03 .01 0.03 0.03 .01 0.03 0.08 .15 0.00 0.09 .07 0.0 1.05 .07 0.0 0.0 0.03 .01 0.03 .01 0.05 .01 0.05 .02 0.05 .03 0.05 .04 0.05 .05 0.	.04 0.00 0.01 0.16 0.23 0.00 0.00 0.00 0.00 0.00 0.00 0.00	.04 0.00 0.01 0.16 0.00 0.00 0.00 0.00 0.00	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$.04 0.00 0.01 0.16 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.	.04 0.00 0.01 0.16 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

NOTES: Values are Thiessen weighted average 'Actual' amounts from 45 recording pairs of gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IDMS Symposium, Geilo, Norway, Jungust, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
STR AV values are based on V yr (1960-71) record period.

197	1 D	AILY PREC	ROITATION	(inches)			RETHOL	DS, IDABO	WATERSHI	D W-1 (03	6068)	
Day	Jan	Feb	Har	Apr	Нау	Jun	Jul	Aug	Sep	Oct	Bow	Dec
1	0.00	0.0	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.06	0.09	0.00
1 2	0.00	0.00	0.00	0.0	0.00	0.39	0.00	0.01	0.00	0.0	0.00	0.02
3	0.00	0.00	0.03	0.00	0.19	0.03	0.00	0.01	0.01	0.0	0.00	0.05
4	0.0	0.07	0.03	0.00	0.00	0.14	0.00	0.00	0.00	0.0	0.02	0.05
5	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.06	0.00	0.0	0.00	0.29
6	0.01	0.00	0.00	0.00	0.39	0.00	0.00	0.14	0.19	0.0	0.00	0.16
7	0.03	0.00	0.00	0.09	0.00	0.01	0.00	0.01	0.00	0.0	0.0	0.00
8	0.35	0.00	0.00	0.0	0.05	0.00	0.00	0.0	0.0	0.0	0.0	0.08
9	0.03	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.0	0.0	0.00	0.06
10	0.02	0.09	0.05	0.12	0.0	0.09	0.00	0.0	0.0	0.0	0.00	0.03
11	0.10	0.00	0.07	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.00
12	0.05	0.0	0.77		0-01	0.00	0.0	0.00	0.0	0.00	0.21	0.07
13	0.05	0.0	0.00	0.00	0.01	0.00	0.00	0.0	0.0	0.05	0.09	0.05
14	0.07	0.00	0.02	0.02	0.00	0.00	0.00	0.0	0.0	0.02	0.00	0.05
15	0.19	0.09	0.04	0.01	0.05	0.0	0.00	0.0	0.0	0.00	0.00	0.02
16	0.12	0.00	0.31	0.07	0.07	0.00	0.00	0.0	0.00	0.39	0.0	0.00
17	0.81	0.07	0.01	0.01	0.00	0.00	0.00	0.0	0.0	0.14	0.00	0.00
18	0.27	0.11	0.0	0.04	0.00	0.00	0.00	0.0	0.0	0.00	0.06	0.00
19	0.02	0.04	0.00	0.00	0.00	0.0	0.30	0.0	0.0	0.11	0.00	0.00
20	0.04	0.00	0.00	0.14	0.00	0.00	0.01	0.00	0.01	0.04	0.00	0.00
21	0.01	0.00	0.01	0.02	0.01	0.00	0.02	0.0	0.0	0.00	0.00	0.00
22	0.06	0.0	0.21	0.00	0.00	0.0	0.13	0.00	0.0	0.00	0.00	0.23
23	0.05	0.00	0.41	0.12	0.00	0.00	0.02	0.00	0.0	0.00	0.00	0.04
24	0.01	0.06	0.03	0.04	0.00	0.0	0.00	0.0	0.00	0.00	0.08	0.00
25	0.12	0.01	0.22	0.04	0.01	0.48	0.00	0.0	0.01	0.00	0.05	0.29
26	0.01	0.00	0.16	0.01	0.02	0.80	0.00	0.0	0.08	0.09	0.98	6.02
27	0.00	0.03	0.01	0.00	0.00	0.20	0.00	0.00	0.02	0.04	0.05	0.00
28	0.0	0.04	0.0	0.0	0.00	0.19	0.00	0.0	0.03	0.00	0.11	0.00
29	0.00	04	0.00	0.00	0.03	0.00	0.0	0.34	0.38	0.00	0.18	0.04
30	0.00		0.05	0.00	0.00	0-00	0.0	0.00	0.81	0.11	0.03	0.01
31	0.00		0.00	5.00	0.06	5500	0.00	0.00		0.01		0.00
TOTAL STA AV	2.40	0.62	2.46	0.74	0.94	2.52	0.48	0.58	1.54	1.08	1.97	1.60
										Cm3 37 3	not ann	1

NOTES: Values are Thiessen weighted average amounts from 45 unshielded recording gages. STA AV do not apply to unshielded rain gage records.

1971	D	AILY PREC	ROITATION	(inches)			RETHOL	DS, IDAHO	WATERSHE	D W-1 (03	6068)	
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.0	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.08	0.13	0.01
2	0.00	0.00	0.00	0.0	0.00	0.42	0.00	0.01	0.00	0.0	0.00	0.02
3	0.00	0.00	0.04	0.00	0.21	0.03	0.00	0.01	0.01	0.0	0.00	0.07
4	0.0	0.09	0.05	0.00	0.00	0.15	0.00	0.00	0.00	0.0	0.02	0.07
5	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.07	0.00	0.0	0.00	0.37
6	0.01	0.00	0.00	0.01	0.43	0.00	0.00	0.15	0.21	0.0	0.00	0.21
7	0.04	0.00	0.00	0.12	0.00	0.01	0.00	0.01	0.00	0.0	0.0	0.00
8	0.42	0.00	0.00	0.0	0.06	0.00	0.00	0.0	0.0	0.0	0.0	0.13
9	0.04	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.0	0.0	0.00	0.09
10	0.03	0.11	0.07	0.17	0.0	0.09	0.00	0.0	0.0	0.0	0.00	0.05
11	0.12	0.00	0.08	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.01	0.01
12	0.06	0.0	0.91	0.00	0.01	0.00	0.0	0.00	0.0	0.00	0.25	0.14
13	0.06	0.0	0.00	0.00	0.01	0.00	0.00	0.0	0.0	0.06	0.12	0.09
14	0.08	0.00	0.03	0.03	0.00	0.00	0.00	0.0	0.0	0.02	0.00	0.09
15	0.17	0-11	0.05	0.01	0.06	0.0	0.00	0.0	0.0	0.00	0.00	0.04
16	0.15	0.00	0.44	0.10	0.08	0.00	0.00	0.0	0.00	0.46	0.0	0.00
17	0.92	0.11	0.01	0.01	0.00	0.0	0.00	0.0	0.0	0.17	0.00	0.00
18	0.32	0.17	0.0	0.06	0.00	0.00	0.00	0.0	0.0	0.00	0.07	0.00
19	0.02	0.07	0.00	0.00	0.00	0.00	0.31	0.0	0.00	0.13	0.00	0.00
20	0.05	0.00	0.00	0.17	0.00	0.00	0.01	0.00	0.01	0.05	0.00	0.00
21	0.01	0.00	0.01	0.03	0.01	0.00	0.02	0.0	0.0	0.00	0.00	0.00
22	0.07	0.00	0.25	0.01	0.00	0.0	0.13	0.00	0.0	0.00	0.00	0.27
23	0.07	0.00	0.46	0.16	0.00	0.00	0.02	0.00	0.0	0.00	0.00	0.05
24	0.01	0.09	0.04	0.05	0.00	0.0	0.00	0.0	0.00	0.00	0.10	0.00
25	0.15	0.02	0.25	0.05	0.01	0.51	0.00	0.0	0.01	0.00	0.06	0.36
26	0.01	0.00	0.19	0.01	0.03	0.83	0.00	0.0	0.09	0.12	1.12	0.02
27	0.00	0.04	0.01	0.00	0.00	0.21	0.00	0.00	0.03	0.06	0.06	0.00
28	0.0	0.06	0.0	0.0	0.00	0.20	0.00	0.0	0.04	0.00	0.14	0.00
29	0.00		0.00	0.00	0.03	0.00	0.0	0.36	0.48	0.00	0.23	0.05
30	0.00		0.07	0.00	0.00	0.00	0.0	0.00	1.00	0.16	0.04	0.01
31	0.00		0.00		0.07		0.00	0.00		0.02		0.00
OTAL TA AV	2.82	0.90	3.00	0.99	1.05	2.65	0.51	0.60	1.89	1,35	2.34	2.16

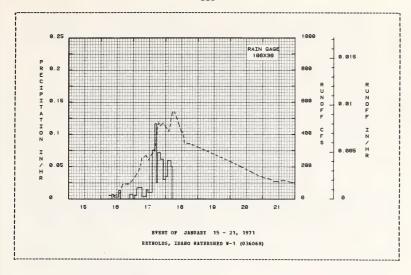
NOTES: Values are Thiessen weighted average amounts from 45 shielded recording gages. STA AV do not apply to shielded rain gage records.

Day							BEYNOLDS, IDAHO WATERSHED W-1 (036068)						
	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Hov	Dec	
1	8.30	61.33	19.67	84.51	85.31	32.11	19.55	1.86	1.71	5.31	2.94	11.27	
2	7.51	57.60	18.77	81.08	104.38	41.71	19.11	2.01	1.65	4.91	2.72	12.54	
3	6.91	41.39	22.89	75.90	115.58	34.75	14.39	2.06	1.63	5.24	2.69	11.88	
4	6.48	40.49	21.36	74.16	122.91	34.30	10.48	2.13	1.57	6.26	2.77	11.75	
5	6.27	35.01	17.18	77.01	122,97	33.26	10.32	2.00	1.46	7.01	2.69	29.13	
6	6.23	27.65	16.94	82.29	131.12	29.32	9.43	2.01	1.55	7.25	3.19	77.58	
7	6.33	30.87	17.23	95.16	133.11	27.95	6.59	1.81	1.54	6.78	6.34	18.00	
8	17.96	28.68	17.62	81.31	127.95	26.76	5.15	1.67	1.41	5.85	7.00	14.70	
9	80.92	26.70	16.61	81.47	119.25	24.15	5.33	1.57	1.43	5.28	6.27	16.21	
10	34.88	47.03	18.60	87.88	111.70	24.52	5.05	1.56	1.43	4.92	6.13	15.75	
11	20.38	45.46	26.24	75.18	107.02	25.71	4.63	1.44	1.38	4.73	6.48	15.41	
12	13.27	36.45	72.75	67.04	104-20	22.85	4.59	1.75	1.47	4.61	8.11	15.19	
13	9.77	36.86	73.50	64.40	97.44	19.29	4.59	1.82	1.43	4.46	8.37	14.96	
14	18.66	35.91	39.93	68.75	83.50	16.31	4.89	1.78	1.36	4.70	7.93	14.85	
15	25.27	38.87	35.01	78.33	74.43	17.11	4.78	1.59	1.43	4.89	7.51	14.63	
16	52.82	33.47	30.42	76.81	74.20	16.94	4.27	1.37	1.41	5.38	6.42	14.20	
17	297.26	34.18	30.23	79-42	58.97	22.45	4.11	1.57	1.49	7.12	6.60	13.77	
18	411-01	30.85	31.51	71.84	46.10	22.27	4.38	1.81	1.58	6.45	7.28	13.35	
19	276.00	29.46	30.48	68.65	39.60	22,15	4.04	1.76	1.59	6.74	7.06	12.94	
20	182.16	27.20	35.29	74.09	31.70	19.39	4.73	1.87	1.59	7.35	7.23	12.54	
21	113.98	27.90	50.82	73.85	25.66	17, 21	3.31	2.22	1.76	7.08	7.30	12.14	
22	93.63	27.42	97.78	66.63	19.99	15, 23	2.52	1.90	1.79	6.51	7.28	11.94	
23	80.45	24.93	240.49	71.56	21.83	13.39	2.34	1.69	1,60	6.46	7.02	11.65	
24	70.88	27.14	178.08	69.82	21.67	12.30	2.22	1. 93	1.31	6.21	7.55	10.99	
25	73.03	22.58	128.12	67.65	24.96	14.15	2.05	1.98	1.30	5.78	7.82	10.34	
26	77.32	18.81	241.11	65.05	32.78	30.20	2.60	2.15	1.50	5.15	26.01	9.72	
27	70.17	18.16	143.24	61.43	39.49	32.09	3.10	2. 23	1.53	3.15	47.41	9.12	
28	62.70	19.37	112.34	63.34	38.00	32.55	2.98	2. 14	1.62	1.96	22.06	8.62	
29	55.34		116.35	68.60	35.23	24.35	3.18	4.09	2.68	2.33	19.98	8.13	
30	56.68		111.88	76.74	36,66	20.79	2.64	2.34	6.26	2.56	16.13	7.66	
31	63.17		96.43	70.74	32.51	20019	1.76	2.31	0.20	2.76	10.13	7.21	
BBAN	74.378	33,277	68.028	74.330	71,620	24. 185	5,776	1,949	1.715	5.328	9.476	15.102	
INCHES	0.950	0.384	0.869	0.919	0.915	0.299	0-074	0.025	0.021	0.068	0.117	0.193	
STA AV	0.522	0.289	0.311	0.539	0.587	0.299	0.074	0.025	0.021	0.008	0.117	0.193	

MOTES: To convert CFS to IM/DAY, multiply by 0.000413. STA AV based on 9 yr (1963-71) record period.

11 SELECTED RUBOFF EVENT						TERSHED W	-1 (036068)		
ANTECEDENT COMDITIONS		RA	INPALL			RUBOPP			
Date Bainfall Runoff Ho-Day (inches) (inches)	Date	Time	Intensity	Acc.	Date	Time		Acc.	
HO-Day (inches) (inches)	Ho-Day	of Day	(1n/hr)	(inches)	No-Day	of Day	(cfs)	(inches)	
	777	wm on 71	NUARY 15 -	24 4074					
	ava			21, 1971					
RG 106X36	1-16	RG 106	X36 0.0	0.0	1-16				
1-16 0.02 0.003	1-16	936	0.0	0.0	1-16	1030	22,280		
		1313		0.02		1200	20.926	0.0017	
		1945	0.0130	0.02		1430	30.438 38.580	0.0024	
		2112	0.0	0.04		1530	75.721	0.0049	
ATERSHED COMDITIONS:									
noff event was caused by a		2400	0.0071	0.06		1630	92.570		
stained winter rain fol-	1-17	48	0.0	0.06		2100	92.570		
wing about 10 days of in-		234	0.0057	0.07		2400	121.118	0.0189	
rmittent rain and snow-		418	0.0173	0.06 0.07 0.10 0.14	1-17	300	157.945	0.0261	
lt.		634	0.0176	0.14		500	190.568	0.0321	
		940	0.0032	0.15		630	253.962	0.0378	
		1105		0-17		930	268.676		
		1407		0.20			239.799		
		1558	0.0757	0.34		1330	274.167	0.0688	
		1710	0.1167	0.48		1600	298.370	0.0811	
		1758	0_0250	0.50		1700	368.106	0.0869	
		2012	0.0716	0.66		1800	445.032		
		2219	0.0614	0.79		1845	477.363	0.0997	
		2400	0.0297	0.79			464-658		
	1-18	127	0.0345	0.89		1950	464.658	0.1084	
		409	0.0593	1, 05		1955	452.293	0 1091	
		457	0.0500	1.09		2225	470.968	0-1289	
						2400	470.968 447.439	0-1414	
					1-18	220	418.263	0.1587	
						340	464.658	0.1688	
						400	502.464	0.1716	
						515	540.420	0.1828	
						630	540.420	0.1944	
						800	506.545	0.2079	
						845	491.738	0.2143	
						930	470.968		
						1030	447.439		
						1155	411.549		
						1215	417.136	0.2412	
						1300	409.334	0.2465	
						1400	346.354	0.2530	
						1800	341.479	0.2766	
						2400	320.937		
					1-19	2400	231-068		
					1-20	800	199.371	0.4540	
						1600	165.719		
						2100	143.136		
						2400	135.233	0.4996	
					1-21	200	128-459		
						500	124.345	0.5106	
						900	108.035	0.5186	
						1200	108.035	0.5242	

BOTES: To convert CPS to IN/HR, multiply by 0.00001719.



BEYNOLDS, IDAHO SALHON CREEK WATERSHED (046017)

LOCATION: Owyhee County, Idaho; 34 miles south of Hampa; east flowing tributary to Reynolds Creek, Snake River Basin.

AREA: 8990.00 acres 14.05 sq. miles

BO	DATELY	PRECIP	ITATION	AND R	UROFF (inche:	s)		REYNOLE	S, II	DAHO SA	THOM CI	REEK WAT	ERSHED	(04601	7)	
		Jan	Feb	Har	λŗ	r	Hay	Jun	Jul	At	ıg	Sep	Oct	Nov	Dec	2	nnual
1971	P Q	3.23 1.072	1.30 0.289	3,6 0.8		61 544	1.18 0.233	3.09 0.097	0.26 0.038			2.94 0.019	1.44	3.53 0.19			5.51 3.872
TA AV	P Q	4.22 0.816	1.50 0.358	2.0 0.3		83 431	1.37 0.301	2-26 0-134	0.24 0.027			1.24 0.022	1.73 0.045	2.66 0.08			2.42 2.820
	ANNU	AL MAXI		CHARGE	(in/hr) AND	HUMIXAN						SELECTE		INTERV	ALS	
		Disch	arge	1 H Date	our Vol.	2 Date		6 н	ours	12 E		1	Day Vol.	2 D	Vol.		ays Vol.
1971		1-18	0.015	1-18	0.014	1-18	0.027	1-18	0.074	1-17	0.141	1-17	0.259	1-17	0.412	1-16	0.771
							MAXIMUMS	FOR P	BRIOD OF	RECO	DED						
		8-23 1965	0.073	8-23 1965	0.044	8-23 1965	0.056	1-20 1969		1-28 1965	0.208	1-28 1965	0.379	1-28 1965	0.766	1-28 1965	1.495

ROTSS: Watershed conditions: Predominately sagebrush rangeland, 95%; irrigated pasture and hay crops, 1%. For map of the conditions of the

1971	D	MILT PREC	EPITATION	(inches)		BET	NOLDS, ID	AHO SALHO	CREEK W.	ATERSHED	(046017)	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.00	0.0	0.0	0.14	0.00	0.0	0.0	0.06	0.25	0.0
2	0.0	0.00	0.01	0.0	0.0	0.62	0.0	0.00	0.0	0.0	0.0	0.0
3	0.0	0.00	0.03	0.0	0.19	0.03	0.00	0.00	0.01	0.0	0.00	0.1
4	0.0	0.06	0.05	0.0	0.00	0.14	0.0	0.0	0.0	0.0	0.08	0.1
5	0.0	0.13	0.0	0.0	0.0	0.02	0.00	0.07	0.00	0.0	0.01	0.5
6	0.01	0.0	0.00	0.00	0.64	0.00	0.0	0.12	0.29	0.0	0.0	0.1
7	0.09	0.0	0.0	0.17	0.01	0.01	0.00	0.00	0.0	0.0	0.0	0.0
8	0.53	0.0	0.0	0.0	0.02	0.00	0.0	0.0	0.0	0.0	0.0	0.1
9	0.05	0.02	0.03	0.01	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
10	0.04	0.10	0.03	0.16	0.0	0.08	0.00	0.0	0.0	0.0	0.0	0.0
11	0.16	0.0	0.06	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0
12	0.14	0.0	1.39	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.31	0.2
13	0.04	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.05	0.20	0.1
14	0.08	0.0	0.05	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.1
15	0.07	0.24	0.04	0.06	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.19	0.0	0.44	0.30	0.05	0.0	0.0	0.0	0.0	0.39	0.0	0.0
17	1.04	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
18	0.27	0.18	0.0	0.18	0.0	0.0	0.00	0.0	0.0	0.00	0.07	0.0
19	0.02	0.16	0.02	0.0	0.01	0.0	0.08	0.0	0.0	0.24	0.01	0.0
20	0.14	0.0	0.0	0.19	0.00	0.0	0.0	0.00	0.00	0.01	0.0	0.0
21	0.0	0.0	0.0	0.03	0.01	0.0	0.05	0.0	0.0	0.0	0.0	0.0
22	0.03	0.0	0.26	0.01	0.00	0.0	0.09	0.0	0.0	0.0	0.0	0.2
23	0.05	0.0	0.54	0.31	0.0	0.0	0.03	0.00	0.0	0.0	0.0	0.1
24	0.01	0.08	0.09	0.06	0.00	0.0	0.0	0.0	0.0	0.0	0.09	0.0
25	0.27	0.01	0.29	0.00	0.01	0.63	0.0	0.0	0.0	0.0	0.06	0.3
26	0.00	0.0	0.20	0.01	0.03	0.90	0.0	0.0	0.22	0.14	1.80	0.0
27	0.00	0.05	0.03	0.0	0.01	0.31	0.0	0.0	0.00	0.12	0.10	0.0
28	0.0	0.13	0.0	0.0	0.00	0.21	0.0	0.0	0.07	0.0	0.15	0.0
29	0.00		0.0	0.00	0.01	0.00	0.0	0.35	0.55	0.0	0.32	0.0
30	0.0		0.13	0.00	0.00	0.0	0.0	0.00	1.79	0.26	0.08	0.0
31	0.00		0.0		0.06		0.0	0.0		0.02		0.0
TAL	3.23	1.30	3.69	1.61	1.18	3.09	0.26	0.55	2.94	1.44	3.53	2.6
VA AT	4.22	1.50	2.02	1.83	1.37	2.26	0.24	1.05	1.24	1.73	2.66	2.2

10735: 'quies are Thiesen weighted evertey 'Actual' amounts from 9 recording pairs of pages (this ided and promising the promising of the property of the prop

1971	D	AILY PREC	PITATION	(inches)		RBY	NOLDS, ID	AHO SALHO	CREEK F	ATERSHED	(046017)	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.00	0.0	0.0	0.11	0.00	0.0	0.0	0.04	0.14	0.00
2	0.0	0.00	0.01	0.0	0.0	0.52	0.0	0.00	0.0	0.0	0.0	0.03
3	0.0	0.00	0.02	0.0	0.14	0.02	0.00	0.00	0.01	0.0	0.00	0.08
4	0.0	0.04	0.03	0.0	0.00	0.13	0.0	0.0	0.0	0.0	0.06	0.07
5	0.0	0.02	0.0	0.0	0.0	0.02	0.00	0.07	0.00	0.0	0.00	0.39
6	0.01	0.0	0.00	0.00	0.52	0.00	0.0	0.11	0.24	0.0	0.0	0.09
7	0.06	0.0	0.0	0.13	0.00	0.01	0.00	0.00	0.0	0.0	0.0	0.0
8	0.36	0.0	0.0	0.0	0.02	0.00	0.0	0.0	0.0	0.0	0.0	0.13
9	0.03	0.01	0.02	0.01	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.07
10	0.02	0.05	0.02	0.11	0.0	0.08	0.00	0.0	0.0	0.0	0.0	0.04
11	0.09	0.0	0.05	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.01
12	0.08	0.0	1.05	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.25	0.09
13	0.03	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.04	0.16	0.05
14	0.05	0.0	0.03	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.05
15	0.05	0.14	0.03	0.03	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.01
16	0.16	0.0	0.26	0.18	0.04	0.0	0.0	0.0	0.0	0.28	0.0	0.0
17	0.91	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0
18	0.24	0.05	0.0	0.11	0.0	0.0	0.00	0.0	0.0	0.00	0.05	0.00
19	0.02	0.05	0.01	0.0	0.01	0.0	0.08	0.0	0.0	0.18	0.00	0.0
20	0.09	0.0	0.0	0.12	0.00	0.0	0.0	0.00	0.00	0.01	0.0	0.0
21	0.0	0.0	0.0	0.01	0.01	0.0	0.05	0.0	0.0	0.0	0.0	0.0
22	0.03	0.0	0.20	0.00	0.00	0.0	0.08	0.0	0.0	0.0	0.0	0.19
23	0.03	0.0	0.41	0.17	0.0	0.0	0.02	0.00	0.0	0.0	0.0	0.08
24	0.01	0.03	0.07	0.03	0.00	0.0	0.0	0.0	0.0	0.0	0.07	0.00
25	0.18	0.00	0.21	0.00	0.01	0.56	0.0	0.0	0.0	0.0	0.04	0.25
26	0.00	0.0	0.14	0.01	0.03	0.81	0.0	0.0	0.16	0.08	1.37	0.02
27	0.00	0.02	0.02	0.0	0.01	0.27	0.0	0.0	0.00	0.07	0.07	0.0
28	0.0	0.05	0.0	0.0	0.00	0.19	0.0	0.0	0.05	0.0	0.11	0.00
29	0.00		0.0	0.00	0.01	0.00	0.0	0.34	0.38	0.0	0.24	0.05
30	0.0		0.09	0.00	0.00	0.0	0.0	0.00	1.18	0.15	0.05	0.00
31	0.00		0.0		0.06		0.0	0.0		0.01		0.00
TAL	2.46	0.54	2.69	1.01	0.89	2.72	0.24	0.53	2.02	0.97	2.63	1.70

NOTES: Values are thiessen weighted average amounts from 9 unshielded recording gages. STA AV do not apply to unshielded rain gage records.

1971	D	AILY PRECI	IPITATION	(inches)		REV	NOLDS, ID	AHO SALHOI	CREEK	WATERSHED	(046017)	
Day	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Bo≢	Dec
1	0.0	0.0	0.00	0.0	0.0	0.12	0.00	0.0	0.0	0.05	0.20	0.01
2	0_0	0.00	0.01	0.0	0.0	0.57	0.0	0.00	0.0	0.0	0.0	0.03
3	0.0	0.00	0.03	0.0	0.17	0.02	0.00	0.00	0.01	0.0	0.00	0.10
4	0.0	0.05	0.04	0.0	0.00	0.13	0.0	0.0	0.0	0.0	0.07	0.08
5	0.0	0.06	0.0	0.0	0.0	0.02	0.00	0.07	0.00	0.0	0.01	0.46
6	0.01	0.0	0.00	0.00	0.59	0.00	0.0	0.12	0.26	0.0	0.0	0.11
7	0.08	0.0	0.0	0.15	0.00	0.01	0.00	0.00	0.0	0.0	0.0	0.0
8	0.44	0.0	0.0	0.0	0.02	0.00	0.0	0.0	0.0	0.0	0.0	0.16
9	0.04	0.01	0.03	0.01	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.08
10	0.03	0.07	0.03	0.13	0.0	0.08	0.00	0.0	0.0	0.0	0.0	0.06
11	0.13	0.0	0.06	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.02
12	0-12	0.0	1.22	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.28	0.15
13	0.03	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.05	0.18	0.09
14	0.07	0.0	0.04	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.09
15	0.06	0.19	0.04	0.05	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.03
16	0.18	0.0	0.35	0.24	0.04	0.0	0.0	0.0	0.0	0.34	0.0	0.0
17	0.98	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0
18	0.26	0.10	0.0	0 15	0.0	0.0	0.00	0.0	0.0	0.00	0.06	0.00
19	0.02	0.09	0.01	0.0	0.01	0.0	0.08	0.0	0.0	0.21	0.00	0.0
20	0.11	0.0	0.0	0. 15	0.00	0.0	0.0	0.00	0.00	0.01	0.0	0.0
21	0.0	0.0	0.0	0.02	0.01	0.0	0.05	0.0	0.0	0.0	0.0	0.0
22	0.03	0.0	0.23	0.00	0.00	0.0	0.09	0.0	0.0	0.0	0.0	0.23
23	0.04	0.0	0.48	0.23	0.0	0.0	0.02	0.00	0.0	0.0	0.0	0.10
24	0.01	0.05	0.08	0.05	0.00	0.0	0.0	0.0	0.0	0.0	0.08	0.00
25	0.22	0.01	0.25	0.00	0.01	0.59	0.0	0.0	0.0	0.0	0.05	0.32
26	0.00	0.0	0.17	0.01	0.03	0.85	0.0	0.0	0.19	0.11	1.60	0.03
27	0.00	0.03	0.03	0.0	0.01	0,29	0.0	0.0	0.00	0.09	0.08	0.0
28	0.0	0.08	0.0	0.0	0.00	0.20	0.0	0.0	0.06	0.0	0.13	0.00
29	0.00		0.0	0.00	0.01	0.00	0.0	0.34	0.47	0.0	0.28	0.06
30	0.0		0.11	000	0.00	0.0	0.0	0.00	1.48	0.20	0.07	0.01
31	0.00		0.0		0.06		0.0	0.0		0.01		0.01
TOTAL STA AV	2.86	0.84	3.21	1.30	1.03	2.91	0.25	0.54	2.47	1.21	3.09	2.20

NOTES: Values are Thiessen weighted average amounts from 9 shielded recording gages. STA NV do not apply to shielded raim gage records.

Day Jan Peb Bax Apr Bay Jun	HOLDS,	IDAHO SALHON	CREEK	WATERSHED	(046017)	
2 1.275 6.018 2.695 11.515 4.435 2.572 3 1.625 5.029 2.043 10.294 4.529 2.096 4 1.498 2.572 3.683 10.294 4.529 2.096 4 1.498 2.528 4.446 2.110 5 1.400 4.634 2.653 8.751 4.223 1.693 6 1.698 6 1.788 4.099 2.551 8.437 4.868 1.666 7 1.737 5.616 2.250 8.493 2.258 4.946 2.153 8 4.132 5.640 4.694 4.822 1.553 8 4.132 5.250 2.258 7.776 4.071 1.666 1.077 4.553 2.235 7.679 3.514 1.466 1.077 4.553 2.235 7.679 3.514 1.466 1.077 4.553 2.235 7.679 3.514 1.466 1.077 4.553 2.235 7.679 3.514 1.466 1.077 4.553 2.235 7.679 3.514 1.466 1.077 4.553 2.235 7.679 3.514 1.466 1.077 4.553 2.235 7.679 3.514 1.466 1.077 4.553 2.235 7.679 3.514 1.468 1.077 4.553 2.235 7.679 3.514 1.468 1.077 4.577 3.2453 3.245 3.235 7.679 3.514 1.408 1.254 1.254 1.254 1.255	Jul	λug	Sep	Oct	Bov	Dec
3 1,652 5,029 2,643 10,294 4,529 2,096 4 1,484 5,242 2,484 9,228 4,484 2,110 5 1,460 4,634 2,533 8,751 4,223 1,838 6 1,788 4,092 2,541 8,437 4,868 1,666 7 1,737 5,616 2,350 8,694 4,882 1,553 8 4,126 4,428 2,295 7,776 4,071 1,466 9 12,037 3,680 2,287 7,374 3,723 1,411 10 7,072 4,353 2,335 7,670 3,519 1,474 11 5,277 3,911 2,588 6,962 3,335 1,491 12 4,279 3,728 5,453 6,315 3,248 1,272 13 3,333 3,663 7,474 5,865 3,153 3,248 1,272 14 3,721 3,689	1.268		0.093	1.235	1.127	4.21
4 1.488 5.242 2.484 9.228 4.446 2.110 5 1.460 8.634 2.633 8.751 4.233 1.638 6 1.788 4.009 2.541 8.437 4.868 1.666 7 1.737 5.616 2.250 8.699 4.822 1.553 8 4.126 4.028 2.295 7.778 4.071 1.466 9 12.037 3.680 2.247 7.374 3.724 1.411 10 7.072 4.353 2.335 7.670 3.519 1.417 11 5.277 3.931 2.508 6.962 3.335 1.400 12 4.279 3.728 5.453 6.315 3.248 1.272 13 3.393 3.663 7.747 5.869 3.1041 1.184 15 3.914 3.799 4.897 5.718 1.740 0.885 16 12.339 3.433 4.973	1.145		0.111	1.021	1.052	3.89
5 1, 460 a. 634 2, 633 8, 751 a. 223 1, 838 6 1, 789 a. 400 2, 581 8, 437 4, 868 1, 666 8 1, 23 5, 166 2, 350 8, 437 4, 868 1, 666 8 4, 126 5, 166 2, 350 7, 978 4, 071 1, 63 9 12, 037 3, 680 2, 247 7, 374 3, 723 1, 411 10 7, 072 4, 353 2, 335 7, 670 3, 519 1, 474 11 5, 277 3, 191 2, 583 6, 315 3, 248 1, 272 13 3, 393 3, 663 7, 747 5, 885 3, 159 1, 140 15 3, 914 3, 799 4, 897 5, 718 1, 740 0, 885 16 12, 333 3, 333 4, 933 6, 235 1, 971 1, 016 10, 038 17 66, 236 3, 559 4, 933 6, 232 1, 81 0, 659	1.031		0.141	1.366	1.063	3.65
6 1.788 4.809 2.541 8.437 4.868 1.666 7 1.737 5.616 2.350 8.694 4.882 1.553 8 4.126 4.426 2.255 8.694 4.882 1.553 8 4.126 4.426 2.255 7.778 3.571 10 7.072 4.353 2.355 7.670 3.519 1.474 11 5.277 3.911 2.508 6.962 3.335 1.408 11 2.4279 3.728 5.453 6.315 3.248 1.272 11 3.353 3.663 7.747 5.885 3.104 1.272 11 3.393 3.663 7.747 5.885 3.104 1.272 11 3.393 3.663 7.747 5.885 3.104 1.272 11 3.393 3.663 7.747 5.885 3.104 1.272 11 3.393 3.433 4.737 5.704 2.234 0.668 17 66.236 3.554 4.730 5.955 1.971 0.550 18 55.64 3.555 4.473 5.704 2.234 0.668 17 66.236 3.554 4.737 5.704 2.234 0.668 18 55.64 3.555 4.747 5.865 3.608 4.720 5.955 1.971 0.550 18 55.64 3.555 4.735 5.764 2.223 0.618 19 85.64 3.555 4.735 5.764 2.223 0.618 21 20.056 3.755 5.922 5.761 2.223 0.618 22 10.393 3.653 3.656 5.527 1.918 0.430 23 10.997 3.755 5.690 2.257 0.430 24 10.997 3.656 6.663 5.667 1.918 0.432 25 6.477 2.255 6.663 5.667 1.186 0.632 26 9.365 2.889 35.864 5.454 1.857 1.451 27 7.954 2.791 28.893 5.292 1.816 1.467 27 7.954 2.791 28.893 5.292 1.816 1.467 27 7.954 2.791 28.893 5.292 1.816 1.467 27 7.954 2.791 28.893 5.292 1.816 1.467 27 7.954 2.791 28.893 5.292 1.816 1.467 27 7.954 2.791 28.893 5.292 1.816 1.470 28 6.232 1.468 0.635	0.918		0.106	1.599	1.191	3.46
7 1.737 2 4.952 2.435 4.694 4.982 1.553 8 6.94 4.982 1.553 8 4.126 4.026 2.295 7.778 4.071 1.466 9 12.037 3.680 2.247 7.374 3.724 3.724 1.411 1.0 7.072 4.353 2.335 7.670 3.519 1.474 1.11 1.2 4.279 3.728 5.453 6.315 3.248 1.272 1.3 3.649 3.724 3.653 5.453 6.315 3.248 1.272 1.3 3.293 3.663 7.747 5.885 3.104 1.2 4.279 3.728 5.693 2.371 1.016 1.3 3.721 3.649 5.318 5.318 5.809 2.371 1.016 1.3 3.993 3.729 4.897 5.718 1.749 0.485 1.771 6.256 3.799 4.897 5.718 1.749 0.485 1.771 6.256 3.799	0.737	0.041	0.099	1.642	1.055	13.23
8 4.126 4.826 2.295 7.776 4.071 1.466 9 12.037 3.680 2.2497 7.374 3.724 1.411 10 7.072 4.353 2.335 7.670 3.519 1.401 11 5.277 3.911 2.508 6.962 3.335 1.400 12 4.279 3.728 5.453 6.315 3.288 1.272 13 3.393 3.663 7.747 5.865 3.104 1.194 14 3.793 3.463 7.747 5.865 3.104 1.194 15 3.714 3.799 8.97 5.865 3.104 1.194 16 12.339 3.463 4.737 5.708 2.234 0.685 16 12.339 3.433 4.737 5.708 2.234 0.685 16 6.226 3.608 4.720 3.95 2.777 0.650 17 6.25 2.234 0.679 18 4.729 2.254 0.679 19 47.614 3.793 5.689 2.257 0.679 20 33.926 3.373 4.733 5.689 2.253 0.679 21 20.056 3.252 7.055 5.690 2.257 0.430 22 13.393 3.056 3.197 5.292 5.761 2.223 0.618 22 13.393 3.056 3.3197 5.729 2.293 0.618 23 10.979 2.994 36.607 5.679 1.918 0.432 24 8.661 2.931 34.125 5.727 1.918 0.432 25 8.472 2.956 26.683 5.647 1.980 0.482 26 9.365 2.889 3.5264 5.727 1.918 0.432 26 9.365 2.889 3.5264 5.457 1.860 0.355 27 7.954 2.791 26.893 5.292 1.816 1.467 28 7.040 2.727 22.856 4.957 1.818 1.402	0.947		0.122	1.597	0.991	24.12
9 12.037 3.680 2.247 7.374 3.724 1.411 10 7.072 4.353 2.335 7.670 3.3724 1.411 11 5.277 3.591 2.508 6.962 3.335 1.408 112 4.279 3.728 5.483 6.315 3.248 1.272 13 3.693 5.483 6.3774 5.885 3.104 1.184 14 3.721 3.649 5.318 5.809 2.371 1.016 15 3.914 3.799 4.897 5.718 1.740 0.885 16 12.339 3.483 4.737 5.704 2.234 0.668 17 66.236 3.508 4.720 5.985 1.971 0.650 18 85.064 3.550 4.933 6.232 1.861 0.659 19 87.614 3.373 4.937 5.649 2.054 0.679 20 33.926 3.195 5.522 5.761 2.223 0.618 21 20.056 3.252 7.055 5.690 2.257 0.430 22 13.349 3.058 13.197 5.249 2.028 0.483 23 10.979 3.493 3.4025 2.894 36.607 5.679 1.918 0.402 24 8.691 2.931 34.125 5.727 1.318 0.432 25 0.472 2.596 2.689 35.664 5.458 1.897 0.488 27 7.954 2.791 28.893 5.264 5.458 1.857 1.451 26 9.365 2.889 35.664 5.458 1.857 1.451 27 7.954 2.791 28.893 5.264 1.857 1.467 28 7.794 2.2791 28.893 5.292 1.816 1.406 27 7.994 2.791 28.893 5.292 1.816 1.407 28 6.623 3.574 1.451 1.467 29 7.094 2.722 2.856 4.957 1.811 1.407 20 6.6232 1.668 5.456 4.693 1.772 1.377	0.790		0.141	1.451	1.111	7.77
10 7.072 8.353 2.335 7.670 3.519 1.474 11 5.277 3.391 2.508 6.962 3.335 1.472 12 4.279 3.723 5.453 6.315 3.248 1.272 13 4.279 3.723 5.453 6.315 3.248 1.272 14 3.721 3.649 5.318 5.809 2.277 1.016 15 3.914 3.799 4.897 5.718 1.740 0.885 16 12.339 3.433 4.737 5.704 2.234 0.668 17 66.236 3.608 4.729 5.955 1.971 0.650 19 97.614 3.379 4.973 5.965 1.975 0.650 20 33.926 3.195 5.522 5.761 2.223 0.618 21 20.056 3.355 13.195 5.249 2.257 0.688 21 20.056 3.555 13.195 5.249 2.258 0.678 22 13.393 3.655 13.195 5.249 2.259 0.483 23 13.393 3.656 13.195 5.249 2.259 0.483 24 8.661 2.231 34.725 5.727 1.918 0.432 25 8.472 2.956 6.663 5.647 1.860 0.635 26 9.365 2.889 35.664 5.454 1.857 1.451 27 7.954 2.791 26.683 5.292 1.816 1.462 28 9.365 2.889 35.664 5.454 1.857 1.451 27 7.954 2.791 26.893 5.229 1.816 1.407 29 6.374 2.795 2.899 35.664 5.454 1.857 1.451 20 6.232 11.466 1.377 30 6.232 11.476 4.603 1.772 1.377	0.398		0.148	1.328	1.077	7.09
11	0.398		0.124	1.264	1.121	7.05
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.386	0.024	0.149	1.216	1.143	5.41
13 3.393 3.663 7.747 5.885 3.104 1.184 14 3.721 3.663 7.747 5.809 2.371 1.016 15 3.914 3.799 4.897 5.716 1.20 0.855 16 12.339 3.433 4.737 5.704 2.224 0.668 17 66.236 3.508 4.720 5.985 1.971 0.650 18 85.064 3.550 4.933 5.649 2.054 0.679 20 33.926 3.195 5.922 5.761 2.223 0.618 21 20.056 3.252 7.055 5.690 2.257 0.430 22 13.349 3.058 13.197 5.249 2.028 0.483 23 10.599 34.125 5.727 1.918 0.432 24 8.691 2.934 36.607 5.679 1.918 0.432 25 6.472 2.956 25.685	0.472		0.149	1.172	1.165	4.58
14 3.721 3.669 5.318 5.809 2.371 1.016 15 3.914 3.799 4.897 5.718 1.740 0.843 16 12.339 3.433 4.737 5.708 2.234 0.666 17 66.236 3.403 4.730 5.985 1.971 0.650 18 85.064 3.550 4.933 6.232 1.861 0.658 19 47.614 3.373 4.973 5.649 2.059 0.679 20 33.926 3.195 5.922 5.761 2.223 0.618 21 20.056 3.252 7.055 5.699 2.278 0.432 22 10.379 3.068 13.677 5.289 2.27 0.433 22 8.612 2.931 34.125 5.727 1.918 0.432 25 8.472 2.956 6.693 5.289 1.867 1.451 27 7.254 2.791 26	0.470		0.154	1.166	1.210	4.21
15 3.914 3.799 4.897 5.718 1.740 0.845 16 12.339 3.433 3.779 5.708 2.234 0.668 17 66.236 3.550 4.720 5.985 1.971 0.650 18 65.064 3.550 4.933 6.232 1.861 0.659 19 47.614 3.373 4.973 5.649 2.054 0.679 20 33.926 3.195 5.922 5.761 2.223 0.618 21 20.056 3.252 7.055 5.690 2.257 0.410 22 13.349 3.058 13.197 5.249 2.028 0.483 23 10.979 2.894 36.607 5.679 1.918 0.432 25 8.472 2.2956 26.693 5.647 1.869 0.432 26 9.365 2.898 35.648 5.454 1.857 1.451 27 7.954 2.791 <	0.439		0.176	1.126	1.233	3.85
16 12,339 3,433 4,737 5,704 2,234 0,668 176 66,236 3,608 4,720 5,985 1,971 0,650 18 85,064 3,550 4,933 6,222 1,666 0,658 19 85,064 3,550 4,933 6,222 1,666 0,658 19 85,064 3,550 4,933 6,222 1,666 0,658 19 85,064 3,550 4,933 6,222 1,666 0,658 19 85,064 19 85,064 19 85,064 19 10 10 10 10 10 10 10 10 10 10 10 10 10	0.388		0.148	1.141	1.255	3.63
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.366	0.023	0.195	1.147	1.301	3.27
18 65.064 3.550 4.933 6.232 1.861 0.658 19 47.614 3.373 4.973 5.649 2.054 0.679 20 33.926 3.195 5.922 5.761 2.223 0.618 21 20.066 3.252 7.055 5.690 2.227 0.430 22 13.389 3.058 13.197 5.289 2.028 0.432 23 10.999 2.694 36.607 5.679 1.918 0.482 24 8.661 2.931 34.125 5.727 1.918 0.432 25 8.472 2.935 36.607 5.647 1.860 0.635 26 9.365 2.889 35.664 5.454 1.857 1.451 27 7.954 2.791 26.933 5.252 1.316 1.402 29 6.372 1.912 4.727 1.478 1.402 29 6.374 1.772 1.316 <t< td=""><td>0.337</td><td>0.019</td><td>0.190</td><td>1.252</td><td>1.324</td><td>3.02</td></t<>	0.337	0.019	0.190	1.252	1.324	3.02
19 47.614 3.373 4.973 5.649 2.054 0.679 20 33.926 3.195 5.922 5.761 2.223 0.618 21 20.056 3.252 7.055 5.690 2.257 0.430 22 13.349 3.058 13.197 5.249 2.028 0.483 23 10.979 2.994 36.607 5.679 1.918 0.432 25 8.472 2.956 26.693 5.647 1.860 0.435 26 9.365 2.889 35.864 5.458 1.857 1.451 27 7.954 2.791 22.856 4.958 1.816 1.467 28 7.040 2.727 22.856 4.957 1.811 1.402 28 7.040 2.722 2.856 4.693 1.272 1.377 31 6.648 14.416 1.803 1.772 1.377	0.269		0.183	1.466	1.324	2.82
20 33.926 3.195 5.922 5.761 2.223 0.618 21 20.056 3.252 7.055 5.690 2.257 0.430 23 13.399 3.055 13.197 5.299 2.028 0.483 24 13.399 3.055 13.197 5.299 2.028 0.483 24 8.661 2.931 34.125 5.727 1.918 0.432 25 8.472 2.956 26.663 5.647 1.860 0.635 26 9.365 2.889 35.864 5.454 1.857 1.451 27 7.954 2.791 28.893 5.292 1.816 1.467 27 7.954 2.791 28.893 5.292 1.816 1.467 29 6.374 2.792 1.896 1.873 1.873 30 6.232 16.766 4.603 1.772 1.377 31 6.648 14.416 1.329	0.360		0.286	1.281	1.324	2.63
21 20.056 3.252 7.055 5.690 2.257 0.430 22 13.349 3.058 13.197 5.249 2.028 0.483 23 10.979 2.894 36.607 5.679 1.918 0.488 24 8.661 2.931 34.125 5.727 1.918 0.432 25 8.472 2.956 25.663 5.647 1.860 0.635 26 9.365 2.921 1.816 1.467 27 7.754 2.791 28.893 5.564 5.454 1.857 1.451 27 7.754 2.791 28.893 5.292 1.816 1.467 28 7.040 2.727 22.856 4.957 1.814 1.402 29 6.374 1.912 1.377 16.228 1.372 1.372 1.377 18.688 1.309 1.299	0.429		0.198	1.378	1.324	3.05
22 13.349 3.058 13.197 5.249 2.028 0.483 23 10.979 2.894 36.667 5.679 1.918 0.484 24 8.661 2.951 34.125 5.727 1.918 0.432 25 8.472 2.956 62.663 5.647 1.860 0.635 26 9.365 2.889 35.864 5.454 1.857 1.816 1.467 27 7.954 2.791 28.893 5.292 1.816 1.467 28 7.040 2.727 22.866 4.957 1.814 1.402 29 6.374 1.929 4.788 1.865 1.309 30 6.232 16.726 4.603 1.772 1.377 31 6.648 14,416 1.299	0.336	0.023	0.217	1.371	1.324	3.02
23 10.979 2.898 36.607 5.679 1.918 0.482 24 8.661 2.931 34.125 5.727 1.918 0.432 25 6.472 2.956 26.683 5.647 1.860 0.635 26 9.365 2.889 35.864 5.458 1.857 1.451 27 7.954 2.791 28.893 5.292 1.816 1.467 2.876 2.8	0.240		0.228	1.277	1.324	2.90
24 8.661 2.931 34.125 5.727 1.918 0.432 25 8.472 2.956 26.663 5.647 1.860 0.635 26 9.365 2.889 35.864 5.454 1.857 1.451 27 7.540 2.791 2.863 5.292 1.816 1.472 29 6.374 4.784 1.857 1.402 29 6.324 1.929 4.788 1.856 1.309 30 6.232 16.726 4.603 1.772 1.377 31 6.648 14.416 1.299	0.249		0.218	1.196	1.324	3.40
25 8.472 2.956 26.683 5.647 1.860 0.635 26 9.365 2.889 35.664 5.454 1.857 1.451 27 7.954 2.791 28.893 5.292 1.816 1.467 28 7.040 2.727 22.866 4.957 1.814 1.402 29 6.374 151,206 4.603 1.379 30 6.232 16.726 4.603 1.772 1.377 31 6.648 14.416 1.299	0.313		0.206	1.181	1.228	4.62
26 9.365 2.889 35.864 5.454 1.857 1.451 27 7.954 2.791 28.893 5.292 1.816 1.467 2.991 29.893 5.292 1.816 1.407 2.99 7.994 2.727 22.859 4.984 1.815 1.402 2.99 7.994 2.727 1.876 4.603 1.772 1.377 31 6.648 14.416 1.529	0.275		0.178	1.179	1.296	3.73
27 7.954 2.791 28.893 5.292 1.816 1.467 28 7.040 2.727 22.856 4.957 1.814 1.402 29 6.374 19.209 4.784 1.836 1.309 30 6.232 16.726 4.603 1.772 1.377 31 6.648 14.416 1.929 1.929 1.377	0.261	0.051	0.217	1.127	1.371	3.73
28 7.040 2.727 22.856 4.957 1.814 1.402 29 6.374 19.209 4.784 1.836 1.309 30 6.232 16.726 4.603 1.772 1.377 31 6.648 14.416 1.929	0.258		0.324	1.121	10.688	3.49
29 6.374 19.209 4.784 1.836 1.309 30 6.232 16.726 4.603 1.772 1.377 31 6.648 14.416 1.929	0.233		0.355	1.137	13.391	3.49
30 6.232 16.726 4.603 1.772 1.377 31 6.648 14.416 1.929	0.194		0.346	0.540	6.935	3.49
31 6.648 14.416 1.929	0.146		0.561	0.695	6.397	3.41
	0.133		1.338	0.869	5.051	3.27
	0.119	0.080		1.034		3.12
EAN 13.066 3.903 10.703 6.853 2.837 1.221	0.46		0.23		2.424	4.9
NCHES 1.072 0.289 0.878 0.544 0.233 0.097 TA AV 0.816 0.358 0.399 0.431 0.301 0.134	0.03		0.01		0.193	0.4

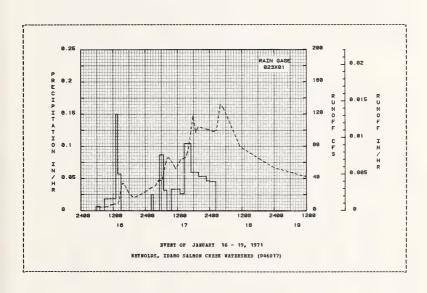
NOTES: To convert CFS to IM/DAY, multiply by. 0.002648. STA AV amounts are based on 1963-71 record period.

Date Rainfall Runoff Bo-Day (inches) (inches)	Date		NPALL			RUNOI		
			Intensity (in/hr)	(inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
	EVE	NT OF JAI	IUARY 16 -	19, 1971				
RG 023X01		BG 0231	101					
1-16 0.01 0.003	1-16	533	0.0	0.0	1-16	640	4.418	0.0
		701	0.0068	0.01		1010	5.103	0.0018
		843	0.0	0.01		1122	7.512	0.0026
		1301	0.0186	0.09		1248	8.518	0.0039
		1341	0.1500	0.19		1346	9.453	0.0049
TERSHED CONDITIONS:								
off event was caused by a		1455	0.0568	0.26		1418	11,949	0.0055
tained winter rain fol-	1-17	212	0.0	0.26		1454	26.919	0.0068
ing about 10 days of inter-		300	0.0250	0.28		1528	33.848	0.0087
tent rain and snowmelt.		516	0.0	0.28		1556	33.848	0.0104
		646	0.0867	0.41		1756	21.262	0.0165
		802	0.0316	0.45		1922	16.992	0.0195
		940	0.0	0.45		2022	16.992	0.0214
		1258	0.0333	0.56		2400	23.508	0.0295
		1430	0.0261	0.60	1-17	154	28.097	0.0349
		1700	0.1040	0.86		346	31.105	0.0410
		1952	0.0593	1.03		456	37.750	0.0454
		2242	0.0529	1.18		556	37.750	0.0496
		2400	0.0462	1.24		626	39.288	0.0517
	1-18	214	0.0448	1.34		746	61.800	0.0591
						826	66.110	0.0638
						908	64.652	0.0689
						1122	51.853	0.0833
						1308	63.215	0.0945
						1456	66.110	0.1073
						1554	73.731	0.1148
						1654	95.297	0.1241
						1748	117.441	0.1347
						1848	97.184	0.1465
						1946	103.984	0.1572

NOTES: To convert CFS to IN/HR, multiply by .0001103.

ANTECEDENT COMDI	TIOUS		RAS	BFALL		RUNOFF			
Date Rainfall Mo-Day (inches)	Runoff (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Bo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		EVENT OF	JANUARY	16 - 19,	1971 (CO	TINUED)			
						1-18	128	98.136	0.2208
							234	100.061	0.2328
							358	132.012	0.2507
							506	127.408	0.2669
							1114	79.401	0.3369
							1834	63.931	0.3949
							2400	53, 113	0.4300
						1-19	1148	41.941	0.4919
							1622	53.113	0.5158
							2400	42.486	0.5561

HOTES: To convert CFS to IE/HE, multiply by .0001103.



RETHOLDS, IDAHO HACKS CREEK WATERSHED (046084)

LOCATION: Owyhee County, Idaho; 34 miles south of Hampa; east flowing tributary to Reynolds Creek, Snake Biver Basin.

AREA: 7846.00 acres 12.26 sg. miles

BC	NTHLE	PRECIP	HOLTATION	AND RUN	OFF (inch	es)		RETHOLDS	, IDAHO	HACKS C	REEK WAT	BRSHED	(04608	4)	
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Hov	Dec	1	nnual
	P	3.04	1.09	3.30	1.23	1.01	2.67	0.30	0.60	1.90	1.43	2.78	2.7		2.12
1971	Q	1.358	0.330	1.074	0.598	0.129	0.070	0.020	0.006	0.004	0.016	0.082	0.2	22	3.909
VA AT	P	3.72	1.25	1.71	1.43	1.05	2.03	0.21	1.04	0.98	1.42	2.25	2.0	0 1	9.09
	Q	0.665	0.218	0-404	0.338	0.121	0.061	0.011	U-003	D.002	0.004	0.022	0.0	76	1.925
	VBBO	AL BAXI	aua Disc	HARGE (in/hr) AN	D HAXINUE	AOTOR	S OF RUNO	PP (inch	es) FOR	SELECTE	D TIBE	INTERV	ALS	
	ABBO	Maxi	eua				laxiaus	Volume fo	r Select	ed Time	Interva	1			
	ABNO		mum arge	HARGE (r 2		laxiaus	Volume fo		ed Time		1	 ı y s		ays
1971	ANNO	Maxi Disch	mum arge Rate	1 Hou Date V	r 2 ol. Dat	Hours e Vol.	laxiaus 6 Ho Date	Volume fo	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Da Date	ys Vol.	8 I Date	
1971	ABBO	Baxi Disch Date	mum arge Rate	1 Hou Date V	r 2 ol. Dat	Hours e Vol. 8 0.064	Saximum 6 Ho Date	Volume fo ours 1 Vol. Da	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Da Date	ys Vol.	8 I Date	Vol.

NoTES: Watershed conditions: The watershed topography is steep, except in the lower valley, with numerous basalt outcrops at the higher elevations. 98% is sagebrush rangeland with a varying cover of sagebrush, bitterbrush, mountain subnogany and willow with a fair cover of forage plants such as cheatgrass, bluebusch wheatgrass, and Idaho and Idaho and the same of the same of

1971		DAILY PRECI	PITATION	(inches)		RE!	WOLDS,	IDAHO HACKS	CREEK	WATERSHED	(046084)	
Da y	Jan	Feb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Boa	Dec
1	0.0	0.0	0.00	0.0	0.00	0.14	0.00	0.0	0.00	0.01	0.14	0.0
2	0.00	0.00	0.00	0.0	0.0	0.40	0.00	0.03	0.01	0.0	0.0	0.03
3	0.0	0.0	0.03	0.0	0.27	0.01	0.00	0.02	0.02	0.0	0.00	0.10
4	0.0	0.07	0.04	0.0	0.01	0.13	0.00	0.00	0.0	0.0	0.03	0.15
5	0.00	0.02	0.0	0.0	0.00	0.0	0.00	0.07	0.00	0.0	0.01	0.57
6	0.01	0.0	0.0	0.00	0.40	0.0	0.00	0.11	0.12		0.0	0.25
7	0.05	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.00
8	0.75	0.00	0.0	0.0	0.02	0.01	0.00	0.0	0.0	0.0	0.0	0.22
9	0.02	0.01	0.03	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.11
10	0.03	0.16	0.10	0.21	0.0	0.10	0.01	0.0	0.0	0.0	0.0	0.04
11	0.10	0.0	0.07	0.0	0.00	0.00	0.0	0.0	0.00	0.0	0.01	0.01
.12	0.09	0.0	1.20	0.02	0.00	0.01	0.0	0.01	0.0	0.01	0.32	0.15
13	0.03	0.0	0.01	0.00	0.01	0.0	0.0	0.0	0.0	0.08	0.13	0.09
14	0.03	0.00	0.01	0.04	0.00	0.00	0.0	0.0	0.0	0.02	0.01	0.13
15	0.07	0.18	0.02	0.02	0.03	0.0	0.00	0.0	0.0	0.0	0.00	0.02
16	0.10	0.0	0.36	0.22	0.07	0.00	0.00	0.0	0.00	0.43	0.0	0.0
17	0.94	0.17	0.00	0.02	0.00	0.0	0.0	0.0	0.0	0.16	0.0	0.0
18	0.31	0.19	0.0	0.09	0.00	0.00	0.0	0.0	0.0	0.01	0.10	0.00
19	0.04	.0.06	0.00	0.01	0.01	0.0	0.12	0.0	0.00		0.00	0.00
20	0.09	0.00	0.01	0.24	0.00	0.0	0.05	0.00	0.02	0.03	0.00	0.0
21	0.00	0.00	0.0	0.03	0.00	0.0	0.03	0.0	0.0	0.00	0.0	0.0
22	0.05	0.0	0.32	0.01	0.0	0.0	0.03	0.00	0.0	0.01	0.0	0.31
23	0.07	0.02	0.55	0.11	0.00	0.0	0.02	0.00	0.0	0.00	0.0	0.08
24	0.01	0.04	0.04	0.03	0.0	0.0	0.00	0.0	0.00		0.11	0.00
25	0.21	0.01	0.23	0.02	0.01	0.58	0.00	0.0	0.02	0.0	0.03	0.39
26	0.02	0.00	0.14	0.01	0.03	0.81	0.0	0.0	0.23	0.15	1.27	0.04
27	0.00	0.05	0.02	0.0	0.01	0.29	0.01	0.00	0.03	0.07	0.05	0.01
28	0.0	0.09	0.0	0.0	0.00	0.17	0.00	0.0	0.06	0.0	0.13	0.00
29	0.00		0.0	0.00	0.01	0.01	0.0	0.35	0.55	0.0	0.38	0.03
30	0.0		0.09	0.0	0.01	0.00	0.0	0.01	0.84		0.05	0.02
31	0.00		0.0		0.11		0.0	0.0		0.05		0.01
TOTAL	3.04	1.09	3.30	1.23	1.01	2.67	0.30	0.60	1.90	1.43	2.78	2.77
STA AV	3.72	1.25	1.71	1.43	1.05	2.03	0.21	1.04	0.98	1.42	2.25	2.00

Notice: Values are Thiessen weighted average 'Actual' amounts from 12 recording pairs of gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by N. N. Hamon, "Computing Actual Pre-

1971		DAILY PREC	PITATION	(inches)		RE	YHOLDS,	IDAHO MACKS	CREEK	WATEBSHED	(046084)	
Day	Jan	Peb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.00	0.13	0.00	0.0	0.00		0.10	0.0
2	0.00	0.00	0.00	0.0	0.0	0.37	0.00	0.03	0.01	0.0	0.0	0.02
3	0.0	0.0	0.02	0.0	0.24	0.01	0.00	0.02	0.02	0.0	0.00	0.06
4	0.0	0.05	0.02	0.0	0.01	0.12	0.00	0.00	0.0	0.0	0.02	0.08
5	0.00	0.01	0.0	0.0	0.00	0.0	0.00	0.07	0.00	0.0	0.01	0.32
6	0.00	0.0	0.0	0.00	0.33	0.0	0.00	0.10	0.11	0.0	0.0	0.14
7	0.04	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.00
8	0.50	0.00	0.0	0.0	0.01	0.01	0.00	0.0	0.0	0.0	0.0	0.12
9	0.01	0.00	0.02	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.06
10	0.02	0.10	0.08	0.11	0.0	0.10	0.01	0.0	0.0	0.0	0.0	0.02
11	0.07	0.0	0.05	0.0	0.00	0.00	0.0	0.0	0.00	0.0	0.01	0.00
12	0.06	0.0	0.91	0.01	0.00	0.01	0.0	0.01	0.0	0.01	0.24	0.06
13	0.02	0.0	0.01	0.00	0.01	0.0	0.0	0.0	0.0	0.06	0.09	0.04
14	0.03	0.00	0.01	0.03	0.00	0.00	0.0	0.0	0.0	0.01	0.01	0.07
15	0.06	0.12	0.02	0.01	0.03	0.0	0.00	0.0	0.0	0.0	0.0	0.01
16	0.08	0.0	0.25	0.15	0.06	0.00	0.00	0.0	0.00	0.33	0.0	0.0
17	0.79	0.09	0.00	0.01	0.00	0.0	0.0	0.0	0.0	0.13	0.0	0.0
18	0.25	0.09	0.0	0.04	0.00	0.00	0.0	0.0	0.0	0.01	0.08	0.00
19	0.03	0.03	0.00	0.0	0.01	0.0	0.10	0.0	0.0	0.14	0.00	0.00
20	0.07	0.0	0.01	0.16	0.00	0.0	0.04	0.00	0.01	0.02	0.00	0.0
21	0.00	0.0	0.0	0.02	0.00	0.0	0.02	0.0	0.0	0.00	0.0	0.0
22	0.04	0.0	0.25	0.01	0.0	0.0	0.03	0.00	0.0	0.00	0.0	0.24
23	0.06	0.00	0.43	0.07	0.00	0.0	0.02	0.00	0.0	0.00	0.0	0.06
24	0.01	0.02	0.04	0.01	0.0	0.0	0.00	0.0	0.00	0.0	0.08	0.00
25	0.17	0.00	0.18	0.01	0.01	0.58	0.00	0.0	0.00	0.0	0.02	0.30
26	0.01	0.0	0.10	0.00	0.03	0.80	0.0	0.0	0.15	0.10	0.99	0.03
27	0.00	0.02	0.01	0.0	0.01	0.29	0.01	0.00	0.02	0.04	0.04	0.00
28	0.0	0.04	0.0	0.0	0.00	0.17	0.00	0.0	0.04	0.0	0.07	0.00
29	0.00		0.0	0.00	0.01	0.01	0.0	0.33	0.37	0.0	0.19	0.03
30	0.0		0.06	0.0	0.01	0.00	0.0	0.01	0.56	0.15	0.02	0.02
31	0.00		0.0		0.10		0.0	0.0		0.03		0.01
TAL	2.35	0.57	2.46	0.76	0.87	2.60	0.26	0.59	1.30	1.04	1.97	1.65

NOTES: Values are Thiessen weighted average amounts from 12 unshielded recording gages. STA AV do not apply to unshielded rain gage records.

1971	D	AILY PREC	IPITATION	(inches)		RE	WOLDS,	IDAHO MACKS	CREEK	WATERSHED	(046084)	
Day	Jan	Peb	Bar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.00	0.0	0.00	0.13	0.00	0.0	0.00	0.01	0.12	0.0
2	0.00	0.00	0.00	0.0	0.0	0.40	0.00	0.03	0.01	0.0	0.0	0.03
3	0.0	0.0	0.02	0.0	0.26	0.01	0.00	0.02	0.02	0.0	0.00	0.07
5	0.0	0.06	0.03	0.0	0.01	0.13	0.00	0.00	0.0	0.0	0.03	0.11
5	0.00	0.01	0.0	0.0	0.00	0.0	0.00	0.07	0.00	0.0	0.01	0.44
6	0.01	0.0	0.0	0.00	0.37	0.0	0.00	0.10	0.12	0.0	0.0	0.19
7	0.04	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.00
8	0.62	0.00	0.0	0.0	0.01	0.01	0.00	0.0	0.0	0.0	0.0	0.17
9	0.01	0.00	0.03	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.08
10	0.02	0.13	0.09	0.15	0.0	0.10	0.01	0.0	0.0	0.0	0.0	0.03
11	0.08	0.0	0.06	0.0	0.00	0.00	0.0	0.0	0.00	0.0	0.01	0.00
12	0.07	0.0	1.06	0.01	0.00	0.01	0.0	0.01	0.0	0.01	0.28	0.11
13	0.03	0.0	0.01	0.00	0.01	0.0	0.0	0.0	0.0	0.07	0.11	0.06
14	0.03	0.00	0.01	0.03	0.00	0.00	0.0	0.0	0.0	0.01	0.01	0.10
15	0.07	0.15	0.02	0.02	0.03	0.0	0.00	0.0	0.0	0.0	0.00	0.01
16	0.09	0.0	0.30	0.18	0.06	0.00	0.00	0.0	0.00	0.39	0.0	0.0
17	0.87	0.13	0.00	0.01	0.00	0.0	0.0	0.0	0.0	0.15	0.0	0.0
18	0.28	0.13	0.0	0.06	0.00	0.00	0.0	0.0	0.0	0.01	0.09	0.00
19	0.04	0.05	0.00	0.00	0.01	0.0	0.11	0.0	0.00	0.17	0.00	0.00
20	0.08	0.00	0.01	0.20	0.00	0.0	0.04	0.00	0.01	0.02	0.00	0.0
21	0.00	0.00	0.0	0.03	0.00	0.0	0.03	0.0	0.0	0.00	0.0	0.0
22	0.05	0.0	0.29	0.01	0.0	0.0	0.03	0.00	0.0	0.01	0.0	0.27
23	0.07	0.01	0.49	0.09	0.00	0.0	0.02	0.00	0.0	0.00	0.0	0.07
24	0.01	0.03	0.04	0.02	0.0	0.0	0.00	0.0	0.00	0.0	0.10	0.00
25	0.19	0.01	0.21	0.01	0.01	0.58	0.00	0.0	0.01	0.0	0.03	0.35
26	0.02	0.00	0.12	0.00	0.04	0.80	0.0	0.0	0.20	0.13	1.14	0.03
27	0.00	0.03	0.02	0.0	0.01	0,29	0.01	0.00	0.02	0.06	0.05	0.01
28	0.0	0.06	0.0	0.0	0.00	0.17	0.00	0.0	0.05	0.0	0.10	0.00
29	0.00		0.0	0.00	0.01	0.01	0.0	0.34	0.47	0.0	0.28	0.03
30	0.0		0.07	0.0	0.01	0.00	0.0	0.01	0.70	0.18	0.04	0.02
31	0.00		0.0		0.11		0.0	0.0		0.04		0.01
TOTAL STA AV	2.70	0.81	2.90	0.98	0.95	2.65	0.28	0.60	1.61	1.26	2.40	2.20

NOTES: Values are Thiessen weighted average amounts from 12 shielded recording gages. STA AV do not apply to shielded rain gage records.

84)	
٧	Des
	1.
	1.3
31	1.0
	1.0
36	5.
	15.3
	2.
	2.
	3.
50	2.
54	2.
85	2.:
	2.1
	1.1
83	1.
60	1.3
53	1.
65	1.1
60	1.3
64	1.
64	1.
	2.
	3
69	1.0
71	1.
09	1.1
	1.
	1.
87	1.
	1.
	1.5
903	2.
	0.
	0.

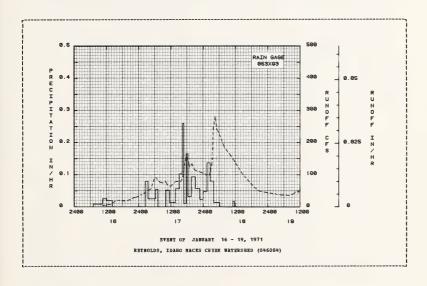
NOTES: To convert CFS to IN/DAY, multiply by 0.003034. SIA AV amounts based on 1963-71 record period.

1 SELEC	CTED RUBOR								RSHED (0460	
ARTECEDE	NT CONDIT				INPALL			RUBGI		
	Rainfall	Runoff		Time	Intensity		Date	Time	Rate	Acc.
	(inches)	(inches)	No-Day	of Day	(in/hr)	(inches)	Mo-Day	of Day	(cfs)	(inches)
			EAE	ST OF JAI	HUARY 16 -	19, 1971				
RG	053193			RG 0531						
1-16	0.0	0.005	1-16	706	0.0	0.0	1-16	1026	3.727	0.0
				1032	0.0087	0.03		1134	5.757	0.0007
				1207	0.0253	0.07		1344	8.230	0.0026
				1412	0.0192	0.11		1518	18.063	0.0052
			1-17	227	0.0	0.11		1604	20.081	0.0070
ATERSHED CO	ONDITIONS									
moff event				327	0.0800	0.19		1654	20.081	0.0091
stained wi				617	0.0247	0.26		1846	18,390	0.0136
wing about				712	0.0545	0.31		2002	20.081	0.0167
ittent rain				1007	0.0	0.31		2238	29,651	0.0249
recent rarn	and shows	GTC.		1127	0-0525	0.38		2258	29.651	0.0261
				1127	0.0525	0.30		2230	29.031	0.0201
				1342	0.0133	0.41		2400	33.904	0.0303
				1507	0-0565	0.49	1-17	44	37.479	0.0336
				1617	0.1028	0.61		112	38,009	0.0358
				1647	0.2600	0.74		440	57.036	0.0566
				1743	0-0107	0.75		542	86.053	0.0659
				1743	0.0107	0.75		342	00.000	0.0039
				1823	0.1650	0.86		620	90.729	0.0730
				1938	0.0320	0.90		740	78.047	0.0872
				2108	0.0933	1.04		908	73.821	0.1013
				2243	0.0568	1. 13		1000	78.911	0.1013
				2400	0.0234	1. 16		1042	67.382	0.1162
				2400	0.0234	1. 10		1042	07.302	0 102
			1-18	13	0.0462	1. 17		1154	63,555	0.1261
				128	0.0480	1.23		1346	78.911	0.1429
				238	0.1371	1.39		1544	78.911	0.1625
				353	0.0800	1.49		1612	86-053	0.1674
				608	0.0133	1.52		1650	114,425	0.1754
				000	0.0133	1.02		1030	114.423	0.1734
				1103	0.0	1.52		1728	148,435	0.1859
				1138	0.0171	1.53		1754	159.259	0.1943
								1900	123,545	0.2140
								1952	134.369	0.2281
								2048	114.425	0.2428

HOTES: To convert CFS to IM/RE, multiply by .00012640.

3 WESCH	ENT CONDIS	TORS		PAT	INPALL			RUNO	PP	
Date	Rainfall (inches)	Runoff (inches)	Date Ho-Day	Time	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time	Rate	Acc. (inches)
			EVENT OF	JANUARY	16 - 19,	1971 (CO	ITINUED)			
							1-17	2400	104.715	0.2871
							1-18	42	102.635	0.2963
								128	96.560	0.3060
								220	98.557	0.3167
								316	131.911	0.3303
								332	179.445	0.3355
								342	242.671	0.3399
								430	281-225	0.3664
								504	240.842	0.3851
								544	231.834	0.4050
								756	183.981	0.4628
								1000	162.045	0.5080
								1144	140.647	0.5412
								1406	107.889	0.5784
								1634	83.326	0.6082
								1902	60.599	0.6306
								2046	49.059	0.6426
								2400	44.177	0.6617
							1-19	456	36.953	0.6870
								758	35.917	0.7010
								926	39.630	0.7080
								1016	46.575	0.7125
								1128	46.575	0.7196
								1300	55.650	0.7295
								1606	55.650	0.7513

HOTES: To convert CFS to IM/HR, multiply by .00012640.



REYNOLDS, IDABO TOLLGATE WATERSHED (116083)

LOCATION: Owyhee County, Idaho; 40 miles south of Mampa; main stem of Reynolds Creek which is tributary to the Snake

AREA: 13453.00 acres 21.02 sq. miles

	HOB	THLY	PRECIPI	HOLTAT	AND RUNOF	F (inche	s)		RETEGI	LDS,	IDAHO 7	OLLGA	E WATERS	BED (1	16083)		
			Jan	Feb	Mar	Apr	Hay	Jun	Jul	λυ	g S	ep	0ct	Boa	Dec	A	nnual
1971			5.85 1.592	2.37 0.819	5.33 1.736	1.91 2.763	1.61 4.955	3.26 1.736	1.00 0.362	0.		. 95 . 074	2.44 0.160	4.18 0.204	4.58 0.27		6.06 4.752
STA A	4		6.56 0.949	2.23 0.569	2.53 0.818	1.99 1.643	1.34 3.493	2.33 1.553	0.56 0.244	1.		. 18 . 032	2.10 0.082	3.83 0.175	4.14 0.22		0.19 9.823
		AHNUA			HARGE (in	/hr) AND									INTERVA	LS	
			Baxim Discha Date R	rge	1 Hour Date Vol		Hours Vol.		urs	12 B		1	Interval Day Vol.		ys Vol.	8 D Date	
1971			1-18 0	. 014	1-18 0.0		0.029		0.083			1-18	0.276	1-18	0.507	5- 4	1.856
							BAXIBUBS	FOR PE	KIOD OF	RECO	KD						
			1-21 0 1969	.030	1-21 0.0 1969	29 1-21 1969	0.057	1-21 1969		1-21 1969	0.283	1-20 1969	0.454	1-20 1969		5- 4 1971	1.856

NOTES: Watershed condition - Watershed is generally sagebrush rangeland except for scattered stands of bouglas fir and aspen and sountain meadows. The topography is steep with numerous rock outcrops on the ridges. The watershed is used mainly for cattle grazing except during the rinter when snow blankets most of the area. Negetation consists predominately of hig sagebrush, little sagebrush, rabbitbrush, snowberry, blue bunch wheatgrass, Idaho fescue, and sagnirelatial grass. 25% of the area has a vegetative cover of 26-598, 15% of the area has a vegetative cover of 75-758, and 45% of the area has a vegetative cover of 75-708 and 45% of the area has a vegetativ

		SHOW CON	ESE DATE	: DATE	OF MEASU	REMENT/A	VERAGE W	ATER COL	TENT (INC	HES)		
Course#	Date	Inches	Date	Inches	Date	Inches	Date	Inches	Date	Inches	Date	Inches
144062	011371	9.40	021071	14.00	022471	15.10	031071	14.50	032371	17.10	040771	11.90
155054	010871	7.55	011371	8.70	012771	10.50	022471	12.20	031071	13.75	032271	13.70
155054	040671	10.10										
163020	021071	12.80	022471	26.60	031071	28.80	032371	32.90	040771	38.60	042171	34.70
163020	050571	30.10	051171	26.80	051971	21.20						
163098	012771	25.10	021071	20.90	022471	28.80	031071	29.20	032371	33.10	040771	35,60
163098	042171	34.20	050571	30.10	051171	23.90	051971	17.20				
167007	011371	9.30	012771	8.00	021071	7.60	032271	10.80	040671	9.60	042171	6.90
174026	021071	23.20	022471	28.70	031071	28.90	032371	32.50	040771	36.20	042171	35.90
174026	050571	31.00	051171	18.60	051971	15.00						

NOTES: For snow course location information, see map on p. 68.001-6 of Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1968, USDA Bisc. Pub. 1330.

1971	D.	AILY PREC	PITATION	(inches)		R	ETHOLDS,	DAHO TOL	LGATE WAT	ERSHED (1	16083)	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1 1	0.00	0.0	0.00	0.00	0.00	0.21	0.01	0.01	0.00	0.33	0.26	0.00
2	0.0	0.01	0.00	0.0	0.01	0.24	0.00	0.03	0.00	0.0	0.00	0.07
3	0.0	0.00	0.15	0.00	0.19	0.08	0.0	0.01	0.01	0.0	0.00	0.14
4 5	0.0	0.31	0.15	0.00	0.00	0.21	0.01	0.00	0.00	0.0	0.00	0.75
5	0.03	0.0	0.00	0.00	0.00	0.02	0.00	0.13	0.00	0.0	0.00	0.75
6	0.02	0.00	0.02	0.02	0.47	0.0	0.0	0.30	0.34	0.0	0.00	0.43
7	0.04	0.00	0.02	0.23	0.01	0.02	0.0	0.01	0.0	0.0	0.0	0.02
j 8	0.67	0.0	0.00	0.0	0.21	0.00	0.0	0.0	0.0	0.0	0.0	0.16
9	0.13	0.02	0.06	0.01	0.00	0.04	0.0	0.00	0.0	0.0	0.00	0.19
10	0.07	0.28	0.19	0.39	0.0	0.23	0.00	0.0	0.0	0.0	0.00	0.13
11	0.25	0.00	0.23	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.04
12	0.10	0.0	1.11	0.0	0.01	0.00	0.0	0.0	0.0	0.0	0.34	0.37
13	0.17	0.0	0.02	0.00	0.03	0.00	0.0	0.0	0.0	0.13	0.28	0.29
14	0.28	0.00	0.09	0.01	0.01	0.0	0.00	0.0	0.0	0.07	0.00	0.22
15	0.64	0.21	0.15	0.02	0.12	0.0	0.00	0.0	0.0	0.00	0.00	0.16
16	0.41	0.03	0.75	0.10	0.27	0.0	00	0.0	0.00	0.60	0.0	0.02
17	1.49	0.17	0.01	0.03	0.00	0.0	0.00	0.0	0.0	0.24	0.00	0.00
18	0.67	0.54	0.0	0.06	0.00	0.00	0.01	0.0	0.0	0.00	0.11	0.0
19	0.03	0.13	0.0	0.00	0.00	0.00	0.60	0.0	0.0	0.13	0.00	0.00
20	0.07	0.00	0.0	0.28	0.01	0.00	0.00	0.0	0.02	0.13	0.00	0.0
21	0.03	0.00	0.05	0.09	0.04	0.00	0.01	0.0	0.0	0.02	0.00	0.00
22	0.25	0.00	0.46	0.02	0.01	0.0	0.34	0.0	0.0	0.0	0.00	0.44
23	0.18	0.0	0.73	0.24	0.00	0.00	0.02	0.0	0.0	0.00	0.01	0.05
24	0.00	0.29	0.04	0.18	0.00	0.0	0.00	0.0	0.00	0.00	0.14	0.02
25	0.26	0.07	0.52	0.18	0.00	0.91	0.0	0.0	0.04	0.00	0.15	0.69
26	0.03	0.00	0.40	0.02	0.02	0.95	0.00	0.0	0.08	0.25	1.82	0.01
27	0.00	0.13	0.01	0.00	0.00	0.15	0.00	0.0	0.09	0.12	0.09	0.00
28	0_0	0.16	0.0	0.0	0.00	0.19	0.0	0.0	0.07	0.01	0.42	0.0
29	0.00		0.00	0.0	0.11	0.0	0.0	0.10	0.87	0.00	0.49	0.19
30	0.00		0.14	0.01	0.00	0.00	0.0	0.0	1.43	0.36	0.05	0.02
31	0.00		0.01		0.07		0.00	0.00		0.04		0.00
TOTAL	5.85	2.37	5.33	1.91	1.61	3.26	1.00	0.59	2.95	2.44	4.18	4.58
STA AV	6.56	2.23	2.53	1.99	1.34	2.33	0.56	1.40	1.18	2.10	3.83	4.14

BOTES: Values are Thiessen weighted average 'Actual' amounts from 15 recording pairs of gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Ramon, "Computing Actual Precilate of the computed of the com

1971	D	AILY PREC	IPITATION	(inches)		R	ETHOLDS,	IDARO TOL	GATE WAT	ERSHED (1	16083)	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.0	0.00	0.00	0.00	0.19	0.01	0.01	0.00	0.18	0.11	0.00
2	0.0	0.01	0.00	0.0	0.00	0.22	0.00	0.03	0.00	0.0	0.00	0.04
3	0.0	0.00	0.07	0.00	0.14	0.07	0.0	0.01	0.01	0.0	0.00	0.07
4	0.0	0.16	0.06	0.00	0.00	0.19	0.01	0.00	0.00	0.0	0.01	0.09
5	0.02	0.0	0.00	0.00	0.00	0.02	0.00	0.11	0.00	0.0	0.00	0.43
6	0.01	0.00	0.01	0.01	0.40	0.0	0.0	0.26	0.30	0.0	0.00	0.26
. 7	0.03	0.00	0.01	0.12	0.01	0.02	0.0	0.01	0.0	0.0	0.0	0.01
8	0.50	0.0	0.00	0.0	0.18	0.00	0.0	0.0	0.0	0.0	0.0	0.08
9	0.11	0.02	0.03	0.01	0.00	0.03	0.0	0.00	0.0	0.0	0.00	0.09
10	0.05	0.19	0.10	0.21	0.0	0.18	0.00	0.0	0.0	0.0	0.00	0.06
11	0.17	0.00	0.15	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.01
12	0.07	0.0	0.68	0.0	0.01	0.00	0.0	0.0	0.0	0.0	0.20	0.16
13	0.11	0.0	0.01	0.00	0.02	0.00	0.0	0.0	0.0	0.06	0.16	0.12
14	0.19	0.00	0.05	0.00	0.00	0.0	0.00	0.0	0.0	0.04	0.00	0.09
15	0.39	0.08	0.08	0.01	0.08	0.0	0.00	0.0	0.0	0.00	0.00	0.07
16	0.23	0.01	0.41	0.05	0.17	0.0	0.0	0.0	0.00	0.45	0.0	0.00
17	0.95	0.07	0.01	0.01	0.00	0.0	0.00	0.0	0.0	0.17	0.00	0.00
18	0.43	0.26	0.0	0.03	0.00	0.00	0.01	0.0	0.0	0.00	0.08	0.0
19	0.02	0.06	0.0	0.00	0.00	0.0	0.56	0.0	0.0	0.08	0.00	0.0
20	0.05	0.00	0.0	0.15	0.01	0.00	0.00	0.0	0.02	0.07	0.00	0.0
21	0.02	0.00	0.03	0.04	0.02	0.00	0.01	0.0	0.0	0.01	0.00	0.00
22	0.17	0.0	0.36	0.01	0.00	0.0	0.32	0.0	0.0	0.0	0.00	0.28
23	0.13	0.0	0.58	0.12	0.00	0.00	0.01	0.0	0.0	0.00	0.01	0.03
24	0.00	0.16	0.03	0.10	0.00	0.0	0.00	0.0	0.00	0.00	0.10	0.01
25	0.19	0.03	0.42	0.10	0.00	0.83	0.0	0.0	0.02	0.00	0.11	0.37
26	0.02	0.00	0.29	0.01	0.02	0.86	0.00	0.0	0.05	0.15	1.45	0.01
27	0.00	0.06	0.00	0.00	0.00	0.14	0.00	0.0	0.06	0.06	0.07	0.00
28	0.0	0.07	0.0	0.0	0.00	0.17	0.0	0.0	0.04	0.00	0.26	0.0
29	0.00		0.00	0.0	0.09	0.0	0.0	0.09	0.50	0.00	0.32	0.09
30	0.00		0.08	0.00	0.00	0.00	0.0	0.0	0.71	0.16	0.03	0.01
31	0.00		0.01		0.06		0.00	0.00		0.02		0.00
TOTAL STA AV	3.85	1, 17	3.50	0.99	1.23	2.94	0.93	0.52	1.71	1.46	2.93	2.40

MOTES: Values are Thiessen weighted average amounts from 16 unshielded recording gages. STA AV do not apply to unshielded rain gage records.

1971	Di	ILY PREC	EPITATION	(inches)		R	EYNOLDS,	IDAHO TOL	LGATE WAT	ERSHED (1	16083)	
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.0	0.00	0.00	0.00	0.20	0.01	0.01	0.00	0.25	0.18	0.00
2	0.0	0.01	0.00	0.0	0.01	0.24	0.00	0.03	0.00	0.0	0.00	0.05
3	0.0	0.00	0.11	0.00	0.17	0.07	0.0	0.01	0.01	0.0	0.00	0.10
4	0.0	0.22	0.10	0.00	0.00	0.20	0.01	0.00	0.00	0.0	0.01	0.13
5	0.03	0.0	0.00	0.00	0.00	0.02	0.00	0.12	0.00	0.0	0.00	0.58
6	0.01	0.00	0.02	0.01	0.44	0.0	0.0	0.28	0.32	0.0	0.00	0.34
7	0.03	0.00	0.01	0.18	0.01	0.02	0.0	0.01	0.0	0.0	0.0	0.02
8	0.58	0.0	0.00	0.0	0.19	0.00	0.0	0.0	0.0	0.0	0.0	0.11
9	0.12	0.02	0.05	0.01	0.00	0.04	0.0	0.00	0.0	0.0	0.00	0.14
10	0.07	0.24	0.14	0.29	0.0	0.21	0.00	0.0	0.0	0.0	0.00	0.09
11	0.20	0.00	0.19	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.02
12	0.08	0.0	0.88	0.0	0.01	0.00	0.0	0.0	0.0	0.0	0.27	0.25
13	0.14	0.0	0.01	0.00	0.03	0.00	0.0	0.0	0.0	0.09	0.22	0.20
14	0.23	0.00	0.67	0.01	0.00	0.0	0.00	0.0	0.0	0.06	0.00	0.15
15	0.50	0.13	0.11	0.01	0.10	0.0	0.00	0.0	0.0	0.00	0.00	0.11
16	0.31	0.01	0.56	0.07	0.22	0.0	0.0	0.0	0.00	0.53	0.0	0.01
17	1.20	0.11	0.01	0.02	0.00	0.0	0.00	0.0	0.0	0.20	0.00	0.00
18	0.54	0.39	0.0	0.05	0.00	0.00	0.01	0.0	0.0	0.00	0.10	0.0
19	0.02	0.09	0.0	0.00	0.00	0.00	0.58	0.0	0.0	0.10	0.00	0.00
20	0.06	0.00	0.0	0.21	0.01	0.00	0.00	0.0	0.02	0.09	0.00	0.0
21	0.03	0.00	0.04	0.07	0.03	0.00	0.01	0.0	0.0	0.01	0.00	0.00
22	0.21	0.00	0.41	0.01	0.01	0.0	0.33	0.0	0.0	0.0	0.00	0.36
23	0.16	0.0	0.66	0.18	0.00	0.00	0.02	0.0	0.0	0.00	0.01	0.04
24	0.00	0.22	0.04	0.14	0.00	0.0	0.00	0.0	0.00	0.00	0.12	0.01
25	0.23	0.05	0.48	0.14	0.00	0.88	0.0	0.0	0.03	0.00	0.13	0.53
26	0.02	0.00	0.35	0.01	0.02	0.91	0.00	0.0	0.07	0.19	1.64	0.01
27	0.00	0.09	0.01	0.00	0.00	0.15	0.00	0.0	0.07	0.09	0.08	0.00
28	0.0	0.11	0.0	0.0	0.00	0.18	0.0	0.0	0.06	0.01	0.34	0.0
29	0.00		0.00	0.0	0.10	0.0	0.0	0.09	0.68	0.00	0.40	0.14
30	0.00		0.10	0.00	0.00	0.00	0.0	0.0	1.02	0.25	0.04	0.01
31	0.00		0.01		0.07		0.00	0.00		0.03		0.00
TAL A AV	4.80	1.71	4.38	1.44	1.42	3.13	0.97	0.56	2.29	1.92	3.56	3.43

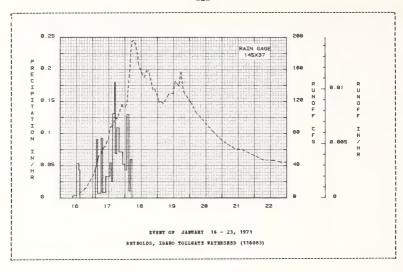
NOTES: Values are Thiessen weighted average amounts from 16 shielded recording gages. STA AV do not apply to shielded rain gage records.

19	71	MEAN DAIL	Y DISCHAR	E (cfs)		R	BYNOLDS, I	DARO TOLL	GATE WATE	RSHED (1	16083)	
Day	Jan	Peb	Bar	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1		26.06	10.13	43.56	75.26	53.30	15.97	2.05		3.47	2.69	3.95
2		22.82	9.07	49.04	90.71	52.54	14.33	2.05	1.04	3.49	2.65	4.47
3	3.38	18.75	8.83	42.97	105.13		12.91	1.97	1.27	3.51	2.58	4.23
4	3.34	18.24	8.37	48.58	128.12		11.67	1.87	1.33	3.93	2.83	3.85
5	3.27	16.18	8.08	46.88	131.55	42.08	10.82	1.97	1.11	3.96	2.61	6.6
6	3.20	14.96	7.93	53.04	135.18	39.87	10.27	2.63	1.20	3.80	2.10	19.08
7	3.16	14.47	8.15	62.99	138.85	40.12	9.49	2.01	1.78	3.27	2.56	8.53
8	3.69	13.87	8.48	56.13	135.66	39.98	8.67	1.97	1.39	2.87	2.59	7.5
9	9.89	13.22	8.63	58.40	131.93	39.72	7.88	1.68	1.12	2.56	2.46	6.24
10	7.89	27.98	9.25	57.71	127.98	42.83	7.49	1.44	0.97	2.49	2.61	5.62
11	6.12	21.00	13.25	51.41	130.00	40.10	7.38	1.36	0.81	2,38	2.73	4.45
12	5.42	18.90	29.93	46.93	128,41	36.97	7.06	1.27	0.90	2,27	3,25	4.15
13	5.42	20.47	24.17	44.57	120.06	35.17	6.48	1.11	0.88	2.20	3.17	4.19
14	5.53	19.79	18.15	52.14	105.48	33.66	5.96	1.09	0.91	2.46	2.95	4.23
15	4.77	19.98	14.84	58.86	100.94	31.64	5.43	1.09	0.99	2.33	2.76	4.10
16	8.67	17.34	13.64	59.40	94.52	29.89	5.02	0.96	1.08	2.57	2.44	3.93
17	76.93	16.46	13.64	57.97	79.49	28.83	4.81	1.10	1.13	3.02	2.47	3.85
18	155.69	15.46	13.76	51.86	69.75	27.04	5.18	1.05	1.19	2.89	2.49	3.85
19	130.51	15.48	13.70	51.94	63.75	25.26	6.40	0.97	1.27	3.35	2.63	3.81
20	93.31	13.51	13.65	55.67	58.95	23.06	5.51	0.86	1.31	3.47	2.66	3.69
21	61.16	13.53	15.69	54.31	54.40	20.92	4.29	0.83	1.60	3.35	2.65	3.61
22	46.78	13.29	27.89	52.16	51.48	19.49	5.03	0.85	1.59	3.22	2.70	4.49
23	39.99	12.88	88.42	53.13	53.58	18.43	4.52	1.03	1.55	3.24	2.61	5.16
24	33.43	11.94	70.93	49.43	54.23	17.24	3.66	1.09	1.38	2.99	2.86	4.75
25	28.71	11.95	61.23	48.71	56.32	23.34	3.22	1.03	1.51	2.65	2.90	4.33
26	28.65	11.85	133.63	45.93	63.99	36.66	3.03	0.91	1.82	3.04	16.77	4.24
27	25.88	11.56	76.76	44.88	68.03	26.58	2.83	0.78	1.97	2.78	14.31	4.43
28	23.73	11.00	62.61	48.60	65.15	26.11	2.56	0.81	2.02	2.08	6.71	4.50
29	22.02		68.76	53.45	64.32	20.45	2.32	0.87	2.73	1.91	5.66	4.27
30	23.87		68.78	61.02	60.92	17.09	2.32	1.18	3.25	2.29	4.91	3.89
31	27.84		50.91		56,37		2.23	0.98		2.51		3.81
AN	29.023	16.534	31.653	52.054	90.337	32.703		1.318	1.402	2,915		5.09
			1.736	2.763		1.736		0.072	0.074	0.160		0.27
A AV	0.949	0.569	0.818	1.643	3.493	1.553	0.244	0.042	0.032	0.082	0.175	0.22

HOTES: To convert CFS to IM/DAY, multiply by 0.001769. STA AV amounts based on 1967-71 record period.

71 SE	LECTED RUNOF				REY	OLDS, IDAE	O TOLLGA	CR WATERS	110003	·)
ASTECE	DENT CONDIT		Date	RA: Time	INPALL Intensity	Acc.	Date	RUHO) Time	PF Eate	Acc.
Ho-Day	(inches)	(inches)		of Day	(in/hr)				(cfs)	(inches)
			EAE	NT OF JAR	UARY 16 -	23, 1971				
	RG 145X37			RG 1453	37		1-16	1406	5.642	
1-16	0.04	0.005	1-16	915 1204	0.0 0.0036	0.0	1-16	1656	9.453	0.0
				1345	0.0535	0.10		1924	12.979	0.0036
				1440	0.0436	0.14		2202	20.902	0.0069
			1-17	201	0.0	0.14		2400	26.919	0.0104
	CONDITIONS: nt was cause			251	0.0480	0.18	1-17	140	33.848	0.0141
sustained	winter rain :	fol-		337	0.0913	0.25		356	48. 194	0.0210
lowing abo	ut 10 days o	f inter-		620	0.0074	0.27		448	53.113	0.0242
mittent ra	in and snowm	elt.		718 941	0.0931	0.36		620 746	55.040 61.800	0.0303
				1258	0.0335	0.49		932	64.652	0.0447
				1404	0.0545	0.55		1008 1156	68.339 73.731	0.0476 0.0570
				1451 1627	0.0255 0.1312	0.57 0.78		1156	73.731 84.485	0.0570
				1657	0.1800	0.87		1336	88.885	0.0673
				1758 1937	0.0689 0.1091	0.94 1.12		1524 1652	90.686	0.0792 0.0897
				2217	0.0712	1.31		1738	98.136	0.0954
				2400	0.0524	1.40		1824	99.095	0.1010
			1-18	123	0.0434	1.46		2010	108.009	0.1145
				300	0.1299	1.67		2144	116.367	0.1275
				356	0.0107	1.68		2242	113.184	0.1357
				517	0.0593	1.76	4 40	2400	113.184	0.1465
							1-18	126 318	116.367 154.108	0.1586 0.1772
								310	134.100	0.1772
								354	170.131	0.1844
								504 638	194.675 196.188	0.2001 0.2227
								844	184.301	0.2521
								1012	164.672	0.2710
								1306	152.821	0.3049
								1428	150.267	0.3202
								1552	158.016	0.3361
								1728 2048	158.016 134.356	0.3547
								2040	134.356	0.3906
								2212	135.538	0.4045
							1-19	2400	126.273 118.522	0.4219
							1-19	126 226	119.610	0.4348
								424	117.441	0.4608
								840	120 606	0 4007
								1140	129.696 129.696	0.4997
								1316	145.244	0.5446
								1602	139. 125	0.5736
								1732	156.706	0.5900
								1932	132.012	0,6113
								2400	120.703	0.6529
							1-20	148	116.367	0.6686
								424 1702	106.993 82.767	0.6900 0.7784
							1-21	2400	71.387	0.8180
							1-21	926 1524	61.101 59.717	0.8641
								2400	52.481	0.9263
							1-22	638	47.014	0.9506
								1346	46.431	0.9752
								2026	44.148	0.9975
								2400	44.148	1.0091
							1-23	400	42.486	1.0219
								1140	39.288	1.0450
								1538 2400	39.809 35.764	1.0566

NOTES: To convert CFS to IM/HR, multiply by 0.00007372.



REYMOLDS, IDAHO MURPHY CREEK WATERSHED (043004)

LOCATION: Owyhee County, Idaho; 35 miles south of Mampa, Idaho; an east-flowing tributary to Eeynolds Creek, tributary to the Smake River.

AREA: 306.00 acres

			TIEVIOR	HON		hes)		REYBOLDS,							
		Jan	Peb	Bar	Apr	Ba y	Jun	Jul	lug	Sep	0ct	Nov	Dec		Annual
	P	3.55	1.57	3.55	1.46	1. 15	2.74	0.39	-56	2.06	1.25	3.14	2.7	1	24.14
1971	Q	2.839	0.997	2.432	2.480	1.119	0.287	0.072	.002	0.002	0.094	0.29	3 0.8	42	11.458
TA AV	P	4.42	1.59	2.04	1.75	1.36	2.81	0.26	. 94	1.03	1.76	2.62	2.3	13	22.92
	Q	1.853	0.772	1.094	1.466	0.847	0.268	0.054	.002	0.001	0.027	0.14	4 0.3	72	6.897
	NH			HARGE (in/hr) l			S OF RUNOFI					INTERV	ALS	
	NHH	UAL HAXI Haxi Disch	aun	HARGE (daximum 6 Ho	Volume for	Selecte Hours	d Time	Interva: Day	1 2 · D	ays		Days
	TERA	Hazi	mum arge		 r		Maximum 6 Ho	Volume for	Selecte	d Time	Interva	1 2 · D		8	Days Vol.
1971	TENA	Maxi Disch	mum arge Rate	1 Hou:	r ol. Da	2 Hours te Vol.	Maximum 6 Ho Date	Volume for	Selecte Hours	d Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Date	Vol.
1971	TRNA	Maxi Disch Date	mum arge Rate	1 Hou:	r ol. Da	2 Hours te Vol. 18 0.053	Saximum 6 Ho Date	Volume for urs 12 Vol. Date	Selecte Hours Vol.	d Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Date	Vol.

No. 25: Watershed conditions: Watershed is sagebrush rangeland used almost erclusively for cattle grazing. Willows are common along watercourses and in seep areas. Pegetation consists largely of hig sagebrush, hitterbush, Idaho rescue, Sandhery bleegrass, blumburch wheatgrass, aguiratelail grass, and sowberry. 10% of the area has a vegetative cover of 51-75%, and 35% of the area has a vegetative cover of 76-100%. For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Bisc. Pab. 1262, p. 68, 11-6. Records stated: Precipitation - 1963; Bunoff - 1967. Precipitation: Thiessen weighted average "Computed Actual" amounts from 3 rain gages. Station average precipitation amounts based on 1968-71 record period. Station average runoff amounts based on 1967-71 record period. To a long-time precipitation records, see Mational Weather Service records at Boise, 1daho, 30 siles W.E. of vatershed.

1971	D.	AILY PREC	IPITATION	(inches)		REY	MOLDS, ID	AHO MURPH	CREEK W	ATERSHED	(043004)	
Da y	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.16	0.00	0.0	0.0	0.01	0.22	0.0
2	0.0	0.01	0.00	0.0	0.0	0.44	0.0	0.00	0.0	0.0	0.0	0.05
3	0.0	0.0	0.04	0.0	0.20	0.02	0.00	0.00	0.03	0.0	0.01	0.15
4	0.0	0.05	0.09	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.05	0.09
5	0.0	0.03	0.0	0.0	0.0	0.0	0.01	0.06	0.01	0.0	0.05	0.69
Б	0.00	0.0	0.0	0.01	0.61	0.0	0.0	0.14	0.24	0.0	0.0	0.27
7	0.09	0.0	0.0	0.24	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0
В	1.01	0.0	0.0	0.0	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.19
9	0.02	0.01	0.05	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
10	0.05	0.22	0.10	0.11	0.0	0.10	0.01	0.0	0.0	0.0	0.0	0.06
11	0.17	0.0	0.09	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.00
12	0.20	0.0	1.26	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.40	0.13
13	0.05	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.07	0.24	0.08
14	0.07	0.0	0.02	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.05
15	0.04	0.35	0.02	0.05	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.01
16	0.09	0.0	0.33	0.28	0.07	0.0	0.0	0.0	0.0	0.35	0.0	0.0
17	0.90	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
18	0.26	0.23	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.01	0.08	0.00
19	0.02	0.12	0.00	0.0	0.01	0.0	0.05	0.0	0.0	0.11	0.02	0.0
20	0.17	0.0	0.0	0.18	0.00	0.0	0.0	0.01	0.0	0.02	0.0	0.0
21	0.0	0.0	0.0	0.02	0.00	0.0	0.03	0.0	0.0	0.0	0.0	0.0
22	0.04	0.0	0.35	0.01	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.26
23	0.07	0.0	0.51	0.19	0.0	9.0	0.08	0.01	0.0	0.0	0.0	0.08
24	0.00	0.05	0.11	0.05	0.0	0.0	0.0	0_0	0.0	0.0	0.09	0.02
25	0.22	0.02	0.33	0.01	0.01	0.69	0.0	0.0	0.0	0.0	0.05	0.36
26	0.01	0.0	0.16	0.01	0.05	0.76	0.0	0.0	0.25	0.17	1.43	0.03
27	0.01	0.06	0.02	0.0	0.0	0.23	0.0	0.0	0.0	0.08	0.08	0.0
28	0.0	0.21	0.0	0.0	0.0	0.19	0.0	0.0	0.05	0.0	0.11	0.0
29	0.01		0.0	0.01	0.02	0.00	0.0	0.32	0.49	0.0	0.26	0.06
30	0.0		0.06	0.0	0.01	0.0	0.0	0.01	0.99	0.25	0.05	0.0
31	0.01		0.0		0.10		0.0	0.0		0.02		0.01
TOTAL	3.55	1.57	3.55	1.46	1.15	2.74	0.39	0.56	2.06	1.25	3.14	2.71
STA AV	4.42	1.59	2.04	1.75	1.36	2.81	0.26	0.94	1.03	1.76	2,62	2.33

NOTES: Values are Thicesen weighted everage 'ictual' security food a recording print of sages this idea and unshielded). "Metaal' asounts were computed so per relationship developed by \$1.0 hand, or Competitational Precipitation." Proceedings of VBO-IDES Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = 1000 (U/S) x 1.80, where U = unshielded catchinent, S = shielded catchinent, and \$1 = actual count of precipitation.

STA AV values are based on \$ yr. (1968-71) record period. For temperature information, see table of daily maximum and mainsum values included for Vatersheed 56.001 and 68.014.

1971	1 D	AILY PREC	EPITATION	(inches)		REY	NOLDS, ID	HO MURPHY	CREEK	WATERSHED	(043004)	
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	∆ug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.16	0.00	0.0	0.0	0.01	0.14	0.0
2	0.0	0.01	0.00	0.0	0.0	0.44	0.0	0.00	0.0	0.0	0.0	0.0
3	0.0	0.0	0.01	0.0	0.17	0.02	0.00	0.00	0.03	0.0	0.00	0.0
5	0.0	0.05	0.03	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.02	0.0
5	0.0	0.01	0.0	0.0	0.0	0.0	0.01	0.06	0.01	0.0	0.04	0.4
6	0.00	0.0	0.0	0.01	0.57	0.0	0.0	0.14	0.24	0.0	0.0	0.1
7	0.05	0.0	0.0	0.23	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0
8	0.54	0.0	0.0	0.0	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.1
9	0.01	0.00	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.03	0.10	0.07	0.11	0.0	0.10	0.01	0.0	0.0	0.0	0.0	0.0
11	0.08	0.0	0.06	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
12	0.10	0.0	0.91	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.26	0.0
13	0.02	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.06	0.14	0.0
14	0.05	0.0	0.01	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
15	0.03	0.16	0.01	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.08	0.0	0.21	0.21	0.07	0.0	0.0	0.0	0.0	0.28	0.0	0.0
17	0.83	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0
18	0.23	0.04	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.01	0.04	0.0
19	0.02	0.02	0.00	0.0	0.01	0.0	0.05	0.0	0.0	0.09	0.00	0.0
20	0.15	0.0	0.0	0.14	0.00	0.0	0.0	0.01	0.0	0.01	0.0	0.0
21	0.0	0.0	0.0	0.01	0.00	0.0	0.03	0.0	0.0	0.0	0.0	0.0
22	0.04	0.0	0.28	0.00	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.2
23	0.07	0.0	0.39	0.13	0.0	0.0	0.08	0.01	0.0	0.0	0.0	0.0
24	0.00	0.01	0.08	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0
25	0.19	0.01	0.26	0.01	0.01	0.67	0.0	0.0	0.0	0.0	0.04	0.3
26	0.01	0.0	0.10	0.01	0.05	0.75	0.0	0.0	0.20	0.12	1.26	0.0
27	0.01	0.01	0.01	0.0	0.0	0.22	0.0	0.0	0.0	0.05	0.07	0.0
28	0.0	0.04	0.0	0.0	0.0	0.18	0.0	0.0	0.03	0.0	0.10	0.0
29	0.01		0.0	0.01	0.02	0.00	0.0	0.32	0.37	0.0	0.23	0.0
30	0.0		0.06	0.0	0.01	0.0	0.0	0.01	0.65	0.18	0.04	0.0
31	0.01		0.0		0.10		0.0	0.0		0.01		0.0
TAL	2.58	0.53	2.54	1.16	1.07	2.69	0.39	0.56	1.52	0.96	2.47	2.0
A AV												

NOTES: Values are Thiessen weighted average amounts from 3 unshielded recording gages. STA AV do not apply to unshielded rain gage records.

19	71 D	ILY PREC	IPITATION	(inches)		REY	NOLDS, ID.	AHO BURPH	CREEK W	ATERSHED	(043004)	
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	0ct	Boa	Dec
1	0.0	0.0	0.0	0.0	0.0	0.16	0.00	0.0	0.0	0.01	0. 16	0.0
2	0.0	0.01	0.00	0.0	0.0	0.44	0.0	0.00	0.0	0.0	0.0	0.03
3	0.0	0.0	0.03	0.0	0.19	0.02	0.00	0.00	0.03	0.0	0.01	0.11
4	0.0	0.05	0.07	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.03	0.06
5	0.0	0.01	0.0	0.0	0_0	0.0	0.01	0.06	0.01	0.0	0.05	0.57
6	0.00	0.0	0.0	0.01	0.60	0.0	0.0	0.14	0.24	0.0	0.0	0.23
7	0.07	0.0	0.0	0.23	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0
8	0.77	0.0	0.0	0.0	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.15
9	0.02	0.01	0.05	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
10	0.03	0.16	0.09	0.11	0.0	0.10	0.01	0.0	0.0	0.0	0.0	0.06
11	0.13	0.0	0.08	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.00
12	0.16	0.0	1.09	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.32	0.11
13	0.03	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.07	0.18	0.08
14	0.07	0.0	0.01	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.05
15	0.04	0.25	0.01	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01
16	0.09	0.0	0.27	0.25	0.07	0.0	0.0	0.0	0.0	0.31	0.0	0.0
17	0.86	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0
18	0.25	0.10	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.01	0.06	0.00
19	0.02	0.06	0.00	0.0	0.01	0.0	0.05	0.0	0.0	0.10	0.01	0.0
20	0.16	0.0	0.0	0.16	0.00	0.0	0.0	0.01	0.0	0.01	0.0	0.0
21	0.0	0.0	0.0	0.02	0.00	0.0	0.03	0.0	0.0	0.0	0.0	0.0
22	0.04	0.0	0.32	0.00	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.26
23	0.07	0.0	0.45	0.16	0.0	0.0	0.08	0.01	0.0	0.0	0.0	0.08
24	0.00	0.03	0.10	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.01
25	0.20	0.01	0.30	0.01	0.01	0.68	0.0	0.0	0.0	0.0	0.04	0.34
26	0.01	0.0	0.14	0.01	0.05	0.76	0.0	0.0	0.22	0.15	1.34	0.02
27	0.01	0.03	0.02	0.0	0.0	0.22	0.0	0.0	0.0	0.06	0.07	0.0
28	0.0	0.11	0.0	0.0	0.0	0.18	0.0	0.0	0.04	0.0	0.11	0.0
29	0.01		0.0	0.01	0.02	0.00	0.0	0.32	0.42	0.0	0.24	0.06
30	0.0		0.06	0.0	0.01	0.0	0.0	0.01	0.80	0.22	0.05	0.0
31	0.01		0.0		0.10		0.0	0.0		0.02		0.01
TAL TA AV	3.07	0.96	3.07	1.29	1.12	2.72	0.39	0.56	1.77	1.10	2.78	2.36

NOTES: Values are Thiessen weighted average amounts from 3 shielded recording gages. STA NV do not apply to shielded rain gage records.

19	71	MEAN DAIL	Y DISCHAR	SE (cfs)		REY	NOLDS, ID	ARC MURPH	CREEK W	ATERSHED	(043004)	
Day	Jan	Feb	Har	Mpr	Hay	Jun	Jul	Aug	Sep	0ct	NoA	Dec
1	0.133	0.831	0.214	1.582	0.731	0.183	0.063	0.002	0.0	0.018	0.066	0.173
2	0.121	0.805	0.214	1.503	0.755	0.292	0.055	0.003	0.0	0.010	0.066	0.166
3	0.121	0.710	0.214	1.465	0.816	0.205	0.056	0.004	0.0	0.010	0.062	0.167
4	0.154	0.652	0.197	1.428	0.884	0.198	0.044	0.003	0.0	0.017	0.074	0.166
5	0.197	0.609	0.181	1.355	0.857	0.166	0.040	0.002	0.0	0.032	0.071	1. 255
6	0.233	0.604	0.188	1.251	0.909	0.152	0.048	0.003	0.0	0.025	0.053	2.037
7	0.263	0.576	0.181	1.323	0.835	0.142	0.043	0.005	0.0	0.025	0.050	0.626
8	0.434	0.522	0.173	1.249	0.780	0.141	0.044	0.005	0.0	0.025	0.050	0.454
9	2.236	0.454	0.166	1.216	0.755	0.126	0.031	0.003	0.0	0.023	0.050	0.403
10	1. 520	0.539	0.193	1.183	0.664	0.145	0.035	0.001	0.0	0.021	0.050	0.356
11	0.826	0.454	0.240	1.150	0.576	0.137	0.048	0.0	0.0	0.021	0.050	0.312
12	0.563	0.420	0.648	1.118	0.522	0.132	0.037	0.0	0.0	0.021	0.086	0.286
13	0.421	0.403	0.903	1.057	0.471	0.124	0.030	0.0	0.0	0.021	0.105	0.263
14	0.340	0.387	0.542	0.955	0.425	0.117	0.031	0.0	0.0	0.021	0.095	0,252
15	0.326	0.434	0.454	0.913	0.420	0.111	0.027	0.0	0.0	0.023	0.078	0.242
16	0.853	0.420	0.498	0.864	0.403	0.097	0.025	0.0	0.0	0.034	0.066	0.223
17	4.801	0.420	0.575	0.970	0.371	0.087	0.023	0.0	0.0	0.047	0.062	0.205
18	4.823	0.420	0.574	1.047	0.320	0.095	0.025	0.0	0.0	0.047	0.062	0.189
19	2,733	0.403	0.666	0.940	0.299	0.102	0.027	0.0	0.0	0.047	0.062	0.181
20	2.228	0.392	1.039	0.933	0.286	0.091	0.031	0.0	0.0	0.056	0.066	0.173
21	1.671	0.382	1.226	0.940	0.274	0.093	0.031	0.0	0.0	0.062	0.066	0.166
22	1.428	0.356	1.861	0.857	0.263	C-060	0.028	0.0	0.0	0.062	0.062	0.315
23	1.355	0.312	3.247	0.849	0.242	0.040	0.023	0.0	0.0	0.062	0.066	0.353
24	1.218	0.312	2.317	0.884	0.232	0.043	0.018	0.0	0.0	0.062	0.072	0.286
25	1.246	0.275	2.191	0.920	0.223	0.064	0.018	0.0	0.0	0.062	0.086	0.274
26	1.415	0.253	2-474	0.857	0.207	0.130	0.014	0.0	0.0	0.062	0.851	0.263
27	1,226	0,247	2,284	0.805	0.197	0.115	0.010	0.0	0.0	0.059	0.555	0.239
28	0.985	0.223	2.049	0.755	0.181	0.141	0.007	0.0	0.0	0.056	0.256	0.214
29	0.884		1,923	0.755	0.164	0.085	0.008	0.0	0.006	0.056	0.223	0.205
30	0.884		1.878	0.755	0.154	0.072	0.003	0.0	0.018	0.056	0.197	0.189
31	0.857		1.750		0.166		0.002	0.0		0.059		0.181
A H	1, 1774	0.4578	1.0084	1.0627	0.4641	0.1230	0.0299	0.0010	0.0008	0.0388	0.1253	0.349
CRES	2.839	0.997	2.432	2.480	1.119	0.287	0.072	0.002	0.002	0.094	0.293	0.842
A AV	1.853	0.772	1.094	1.466	0.847	0.264	0.054	0.002	0.001	0.027	0.144	0.37

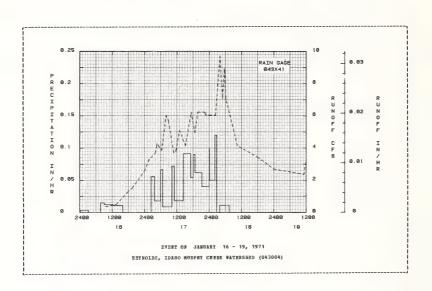
NOTES: To convert CFS to IN/DAY, multiply by 0.077783. STA AV based on 1968-71 record period.

971 SELECTED RUBOFF EVE			TORIZE	DO, IDAHO	HURPHY C	MATER	SHED (0430	
ANTECEDENT CONDITIONS			HPALL			RUNGE		
Date Rainfall Run		Time	Intensity		Date	Time	Rate	Acc.
Ho-Day (inches) (inc			(in/hr)		Mo-Day	of Day	(cfs)	(inches)
	EVE	NT OF JAR	UARY 16 -	19. 1971				
RG 043X41		RG 043X						
	011 1-16	13	0.0	0.0	1-16	936	0.355	0.0
		313	0.0033	0.01		1336	0.518	0.0057
		742	0.0	0.01		1736	1.249	0.0172
		902	0.0150	0.03		1930	1.542	0.0258
		1217	0.0092	0.06		2400	2.576	0.0558
WATERSHED CONDITIONS:			22,30,2			2.00	20070	0.000
Runoff event was caused by	a	1557	0.0109	0.10	1-17	140	3,297	0.0717
sustained winter rain fol-	1-17	227	0.0	0.10	. 17	402	3.703	0.0985
lowing about 10 days of int		342	0.0560	0.10		436	4.294	0.1058
mittent rain and snowmelt.		557	0.0300	0.21		620	3.845	0. 1038
wrecene rain and smowners.		642	0.0533	0.21		754	6.041	0.1538
		642	0.0533	0.25		/54	0.041	0.1538
		1012	0.0086	0_28		852	5.660	0.1721
		1102	0.0840	0.35		1044	3.703	0-2004
		1422	0.0150	0.40		1138	3.845	0.2114
		1706	0.0130	0.40		1258	5, 118	0.2308
		1801	0.0915	0.69		1508	4.141	0.2633
		1001	0.0436	0.69		1508	4.141	0.2033
		1841	0.1050	0.76		1716	6.238	0.2992
		2116	0.0581	0.91		1840	4.946	0.2352
		2400	0.0402	1.02		1944	6.238	0.3246
	1-18	2400 6	0.1001	1.03		2216	6.238	0.3951
	1-10	206	0.0500	1. 13		2246	6.041	0.3951
		206	0.0500	1. 13		2246	0.041	0.4050
		246	01350	1.22		2400	6.041	0.4291
		351	0. 1330	1.22	1-18	218	6.041	0.4291
		726	0.0084	1.25	1-18	356	9.726	0.4741
		120	0.0004	1.25		456	7.069	0.5430
						534	8.945	0.5430
						534	0.945	0.3394
						608	7.069	0.5741
						1024	4.141	0.6516
						1756	3.429	0.7440
						2400	2.688	0.7440
					1-19	1112	2.361	0.8957
					1-19	1112	2.301	0.0957

HOTES: To convert CPS to IM/BB, multiply by .003241

1971 SE	LECTED RUNOR	P BVENT			RETHOL	DS, IDA	HO HURPHY CI	EEK WATER	SHED (0430	104)
A HTECE: Date Mo-Day	Bainfall (inches)	PIONS Runoff (inches)	Date Mo-Day	RAI Time of Day	HFALL Intensity (in/hr)	Acc.		RUNOF Time of Day	Bate (cfs)	Acc. (inches)
			EVENT OF	JAHUARY	16 - 19,	1971 (CONTINUED)			
							1-19	1336 2400	3.297 2.576	0.9177 1.0167

HOTES: To convert CFS to IN/HR, multiply by .003241



REYNOLDS, IDAHO SUMMIT WATERSHED (048077)

LOCATION: Owyhee County, Idaho; 30 miles south of Mampa, Idaho, a west-flowing tributary to Beynolds Creek, tributary to the Smake River.

AREA: 205.00 acres

He	ONTHLY	PRECIP	HOITATION	AND RUB	OFF (inche	s)		EBINOI	DS, IDAH	SUMMIT	WATERS	BED (04	8077)		
		Jan	Feb	Har	Apr	нау	Jun	Jul	Aug	Sep	0ct	No.4	Dec	1	nnual
1971	P Q	1.07	0.35 0.0	2.06 0.0	0.43 0.0	0.99 0.0	2.20 0.0	0.05 0.0	0.67 0.0	1.76 0.0	0.95 0.0	1.10 0.0	1.46 0.0		3.09 0.0
VA AT	P Q	1.93 0.002	0.49	0.88 0.0	0.59 0.0	0.85 0.0	1.64 0.014	0.09 0.0	1.12 0.017	0.62 0.0	0.89 0.0	1.09 0.0	1.00 0.0		1.18 0.033
	ANNU	AL MAXI Maxi		HARGE (n/hr) ANI				FF (inch				INTERVA	LS	
		Disch Date		1 Hour		Hours	6 Hou		2 Hours te Vol.		Vol.	2 Da Date			ays ∀ol.
1971		0- 0	0.0	0- 0 0	.0 0-0	0.0	0- 0 0	. 0 0-	0 0.0	0- 0	0.0	0- 0	0.0	0- 0	0.0
1971		0-0	0.0	0- 0 0	.0 0-0			LOD OF E		0- 0	0.0	0- 0	0.0	0- 0	0.0

NOTES: Vatershed conditions: Sagebrush rangeland with almost erclusive cattle grazing in early spring and late fall. Rumerous barren ridges. Vegetation consists largely of hig sagebrush, cheatgrass, Sandberg bluegrass, bluebunch wheatgrass, and seguiretain grass. 25% of the area has a vegetative cover of 25-50%. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Hims. Pub. 1262, p. 68.12-5. Becords staterted: Precipitation - 1963; Munoff - 1967. Precipitation: 'Computed Actual' amounts from 1 rain gage. Station average precipitation amounts are based on 1968-71 period of record. Station average ranoff amounts are based on 1967-11 period of record. Station average ranoff amounts are based on 1967-17 period of record. Station average ranoff amounts are based on 1967-17 period of record. Station average ranoff amounts are based on 1967-17 period of record.

1971	D.	AILY PREC	IPITATION	(inches)		1	REYNOLDS,	IDAHO SU	MMIT WATE	BSHED (04)	8077)	
Da y	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.05	0.05	0.0
2	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.11	0.01	0.0	0.0	0.0	0.0	0.0	0.04
4	0.0	0.0	0.02	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.05
5	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.14
6	0.02	0.0	0.0	0.0	0.61	0.0	0.0	0.05	0.23	0.0	0.0	0.12
7	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.26
9	.0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
10	0.0	0.01	0_0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
11	0.02	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0
12	0.03	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.12
13	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.09	0.11
14	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
15	0.02	0.0	0.01	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.05	0.0	0.83	0.03	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0
17	0.68	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0
18	0.20	0.11	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
19	0.0	0.05	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
23	0.0	0.0	0.33	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
24	0.0	0.02	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0
25	0.0	0.0	0.07	0.0	0.0	0.04	0.0	0.0	0.01	0.0	0.02	0.22
26	0.0	0.0	0.04	0.0	0.0	0.72	0.0	0.0	0.04	0.0	0.43	0.04
27	0.0	0.0	0.01	0.0	0.0	0.19	0.0	0.0	0.0	0.15	0.03	0.0
28	0.0	0.02	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.04	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.61	0.27	0.0	0.04	0.0
30	0.0		0.13	0.0	0.0	0.0	0.0	0.0	1.21	0.19	0.12	0.02
31	0.0		0.0		0.06		0.0	0.0		0.0		0.0
TOTAL	1.07	0.35	2.06	0.43	0.99	2.20	0.05	0.67	1.76	0.95	1.10	1.46
STA AV	1.93	0.49	0.88	0.59	0.85	1.64	0.09	1.12	0.62	0.89	1.09	1.00

Notes: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded) at Station 045761.

**Record of the Computed as per relationship developed by W. R. Hamon, "Computing Actual Frecipitation", From the Computed as the THE COMPUTED ACTUAL OF THE COMPUT

1971	D	AILY PREC	IPITATION	(inches)			RETHOLDS,	IDAHO SO	MHIT WATE	RSHED (04	3077)	
Da y	Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	0ct	HOV	Dec
1	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.04	0.05	0.0
2	0.0	0.0	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.11	0.01	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.02	0.0	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
6	0.02	0.0	0.0	0.0	0.61	0.0	0.0	0.05	0.17	0.0	0.0	0.0
7	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.01	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.02	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0
12	0.03	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
13	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.08	0.0
14	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.02	0.0	0.01	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.05	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0
17	0.68	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
18	0.19	0.05	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
19	0.0	0.02	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
23	0.0	0.0	0.31	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.02	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
25	0.0	0.0	0.06	0.0	0.0	0.04	0.0	0.0	0.01	0.0	0.02	0.20
26	0.0	0.0	0.03	0.0	0.0	0.69	0.0	0.0	0.04	0.0	0.34	0.03
27	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.04	0.02	0.0
28	0.0	0.02	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.03	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.58	0.25	0.0	0.04	0.0
30	0.0		0.04	0.0	0.0	0.0	0.0	0.0	1.10	0.05	0.05	0.0
31	0.0		0.0		0.06		0.0	0.0		0.0		0.0
TAL A AV	1.06	0.19	1.33	0.24	0.88	2.02	0.05	0.64	1.57	0.59	0.89	0.57

NOTES: Values are amounts from unshielded recording gage 049461. STA AV do not apply to unshielded rain gage records.

197	1 D.	AILY PREC	ROITATION	(inches)		1	REYNOLDS,	IDABO SU	MHIT WATE	RSHED (04	8077)	
Da y	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.05	0.05	0.0
2	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.11	0.02	0.0	0.0	0.0	0.0	0.0	0.03
4 5	0.0	0.0	0.02	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.03
6	0.02	0.0	0.0	0.0	0.61	0.0	0.0	0.05	0.20	0.0	0.0	0.07
7	0.02	0-0	0.0	0.0	0.0	0.0	0.0	0.05	0.20	0.0	0.0	0.0
8	0.02	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.11
9	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.05
10	0.0	0.01	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
11	0.02	0.0	0.0	0_0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0
12	0.03	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.05
13	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.08	0.05
14	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
15	0.02	0.0	0.01	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.05	0.0	0.52	0.02	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0
17	0.68	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0
18	0.20	0.08	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
19 20	0.0	0.04	0.0	0.06	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.02
21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
23	0.0	0.0	0.32	0. 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
24	0.0	0.02	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0
25	0.0	0.0	0.06	0_0	0.0	0.04	0.0	0.0	0.01	0.0	0.02	0.21
26	0.0	0.0	0.04	0.0	0.0	0.70	0.0	0.0	0.04	0.0	0.39	0.03
27	0.0	0.0	0.01	0.0	0.0	0.20	0.0	0.0	0.0	0.08	0.02	0.0
28	0.0	0.02	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.04	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.60	0.26	0.0	0.04	0.0
30	0.0		0.08	0.0	0.0	0.0	0.0	0.0	1.16	0.11	0.08	0.02
31	0.0		0.0		0.06		0.0	0.0		0.0		0.0
TOTAL STA AV	1.07	0.27	1.66	0.33	0.93	2.12	0.05	0.66	1.67	0.76	0.99	0.95

MOTES: Values are amounts from shielded recording gage 049561. STA AV do not apply to shielded rain gage records.

REYNOLDS, IDAHO REYNOLDS HOUNTAIN WATERSHED (166076)

LOCATION: Owyhee County, Idaho; 34 miles south of Nampa, morth flowing tributary to the east fork of Reymolds Creek, Snake River Basin.

AREA: 100.00 acres

HC	HTHLY	PRECIP	ITATION	AND RUNO	PF (inche	es)	RE	YHOLDS,	IDAHO RET	HOLDS M	DUNTAIN	WATERSHED	(166076)	
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	6.68 1.657	3.10 0.935	5.88 0.809	2.47 3.041	2.16 17.101	3.13 5.557	0.64 0.701	0.65 0.133	3.28 0.085	4.31 0.318	5.64 0.225	7.23 0.239	45.17 30.800
STA AV	P Q	8.65 0.457	3.13 0.365	3.26 0.467	2.63 2.264	1.67 9.882	2.39 3.983	0.47 0.373	1.37 0.078	1.25 0.054	3.03 0.121	4.84 0.243	6.69 0.180	39.36 18.467
	ANHU	AL HAII Haxi Disch	 Num	CHARGE (in			aximum	Volume f	or Selecte	ed Time				Days
		Date	Rate	Date Vol	l. Date	Vol.	Date	Vol. D	ate Vol.	Date	Vol.	Date Vo	l. Date	Vol.
1971		5- 4	0.057	5- 7 0.0)55 5 - 7	0.109			- 7 0.540	5- 7	0.893	5- 6 1.	741 5- 4	6.698

ROTES: Watershed conditions: Rangeland watershed with seasonal cattle and sheep grazing. Scrub sapes, willow, scattered douglas fir, and sagebrush with natural mountain meadows. Wegetative corer varies with annual precipitation type of cover is 32% shrub and brumb, 17% grass and forbes, and 9% rock and rock fragments. For map of watershed, see Mydrologic Data for Experimental Agricultural Matersheds in the United States, 1966, 1950 Miss. Pub. 1276, one p. 86, 13-4. Records started: Precipitation-1963; Runoff-1966. Precipitation: Computed Actual amounts from one 1966-71 record period. Station arters maded on 1966-71 record period. Station arters made the based on 1966-71 record period. For long-time precipitation records, see Mational Weather Service records at boise, Idaho, 50 miles B.E. of watershed.

		SHOW CO	GRSE DATE	A: DATE	OF MEASU	REMENT/B	VERAGE W	ATER COM	TENT (IN	CHES)		
Course#	Date	Inches	Date	Inches	Date	Inches	Date	Inches	Date	Inches	Date	Inches
176007	010871	13.60	011371	13.60	012771	18.60	021071	18.70	022471	20.50	032271	22.60
176007	032671	25.50	040971	25.70	042171	26.40	043071	25.30	050571	18.60	051271	11.11
176007	051971	5 20										

NOTES: For snow course location information, see Hydrologic Data for Experimental Agricultural Watersheds in the United States 1968, USDA Misc. Pub. 1330, p. 68.001-6.

197	1 DAILY	AIR TEN	ERATURE (degrees P			LDS, IDAH			N WATERSE	ED (16607	6)
Day	Jan wax min	Feb max nir	Mar max min	Apr max min	Bay war min	Jun max min	Jul may min	Aug max min	Sep max min	Oct max min	Nov max min	Dec max min
1 1	15 6	46 30		35 18	58 44	43 31	67 51	81 63	65 37	31 24	28 19	25 16
2	7 2			38 26	59 47	47 31	59 43	77 62	52 34	39 27	30 17	22 19
3	5 -2 4 -2	19 5		40 19 47 27	55 37 49 37	52 32 49 37	58 36	79 59 78 61	50 34	47 36 58 42	42 30 40 21	21 16
5	9 2	18 13		WW 31	49 37 48 34	66 36	64 45 63 44	78 61	64 39 74 53	61 56	40 21 28 11	22 19 34 23
	, .	70 10		51	54	00 50	05 44	55	74 33	0. 50	20	34 23
6	16 6	22 16		49 34	45 32	63 40	57 41	73 53	62 40	63 49	41 11	32 11
1 7	29 16	32 17		34 24	52 38	67 48	60 42	74 59	54 32	61 46	38 26	12 5
1 8	30 26 30 27	38 25 39 25		40 23 44 32	46 36 52 37	59 38 58 42	69 50 68 49	78 62 80 63	66 44 69 55	62 49 66 53	38 26 47 38	26 7 28 18
1 10	29 22	44 31		37 17	55 38	49 37	60 33	78 61	74 56	67 54	48 43	20 16
i												20 10
j 11	24 20	41 29		30 18	56 43	55 33	57 37	79 61	65 49	59 45	48 40	18 15
1 12	20 6	49 32		34 18	59 43	66 42	64 42	81 63	69 51	58 38	43 27	20 16
1 13	13 8 23 12	39 29 42 28		42 26 54 35	49 32 53 30	62 46 67 36	70 54 72 54	82 65 77 59	69 45 54 33	59 30 32 23	28 25 23 19	18 13 22 16
15	27 23	38 20		37 29	60 26	63 49	79 59	77 57	56 39	30 22	24 21	18 15
1 16	36 27	28 16		41 27	30 20	62 45	78 63	74 59	46 32	27 21	27 17	25 18
17	37 30 40 36	25 2° 29 20		31 23 29 21	34 16 46 25	63 44 56 45	78 61 75 65	73 51 72 55	43 28 59 30	34 20 30 21	25 19 22 17	32 22 23 16
1 19	45 38	29 20		42 22	46 25	62 45	75 65	72 55	55 47	38 30	34 20	23 16 28 22
20	38 15	21 10		40 26	34 22	69 50	73 61	74 55	49 36	40 25	39 30	29 24
21	23 15	27 12		36 23	38 23	76 56	75 57	75 53	51 30	40 24	43 34	34 27
22	22 11 26 22	30 18 27 19		42 22 37 21	49 31 54 35	75 55 68 50	69 53 74 58	68 38 61 33	58 39 66 46	49 38 41 25	33 28 35 28	36 30 28 23
24	26 19	32 15		28 19	62 40	67 49	75 60	70 46	60 41	32 24	36 27	36 25
25	31 26	15 8		34 24	62 48	57 43	74 58	73 57	43 32	40 24	28 21	29 27
26 27	41 30 44 31	13 5		35 25 45 25	61 43 63 42	45 37 47 33	74 57 75 57	76 59 74 59	35 27 32 26	35 28 22 10	34 25 27 24	36 27 26 23
28	41 31	9 4	38 19	46 31	53 38	46 32	76 61	75 56	37 26	12 11	30 25	25 12
29	39 30		45 33	49 30	56 34	52 33	77 59	73 54	30 25	23 3	27 26	20 16
30	41 34		42 19	55 35	42 31	61 43	79 65	72 50	28 25	26 20	39 20	20 16
31	46 35		25 16		43 29		79 63	57 45		24 18		27 18
AV.	28 19	29 18	29 18	40 25	51 34	59 41	70 53	75 56	55 38	42 30	34 25	26 18
MEAN	23.6	23.7	23.6	32.5	42.4	50.2	61.4	65.4	46.1	36.2	29.4	22.0
STA AV	28 20	32 21	32 21	38 23	54 36	62 43	73 54	73 54	61 43	45 32	37 26	27 18

NOTES: Temperature data are taken from hygrothermograph record at station 176x14. STA AV based on 1966-71 record period.

1971	D	AILY PREC	PITATION	(inches)		REYNO	LDS, IDAHO	REYNOLDS	MIATRUOM	WATERSHED	(166076)	
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.01	0.0	1.62	0.37	0.0
2	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.01	0.0	0.0	0.0	0.1
3	0.0	0.0	0.38	0.0	0.22	0.09	0.0	0.0	0.0	0.0	0.0	0.2
4	0.0	0.68	0.64	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.3
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	1.1
6	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.40	0.38	0.0	0.0	0.5
7	0.02	0.0	0.0	0.35	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1.15	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.2
9	0.17	0.01	0.03	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.2
10	0.14	0.44	0.15	0.40	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.1
11	0.35	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.11	0.0	1.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.6
13	0.11	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.13	0.46	0.6
14	0.19	0_0	0.13	0.02	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.4
15	0.33	0.04	0.09	0.0	0.27	0_0	0.0	0.0	0.0	0.01	0.0	0.3
16	0.38	0.03	0.56	0.01	0.26	0.0	0.0	0.0	0.0	0.84	0.0	0.0
17	1.94	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0
18	0.81	0.66	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0. 15	0.0
19	0.04	0.13	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.09	0.02	0.0
20	0.07	0.0	0.0	0.33	0.05	0.0	0.0	0.0	0.0	0.08	0.0	0.0
21	0.0	0.0	0.02	0.28	0.15	0.0	0.0	0.0	0.0	0.02	0.0	0.0
22	0.32	0.0	0.61	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.7
23	0.25	0.0	0.91	0.55	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
24	0.0	0.35	0.04	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.0
25	0.28	0.15	0.43	0.26	0.0	1.05	0.0	0.0	0.02	0.0	0.18	0.8
26	0.02	0.0	0.51	0.0	0.0	0.79	0.0	0.0	0.12	0.22	2.00	0.0
27	0.0	0.18	0.0	0.0	0.0	0.15	0.0	0.0	0.22	0.23	0.57	0.0
28	0.0	0.30	0.0	0.0	0.0	0.18	0.0	0.0	0.04	0.0	0.97	0.0
29	0.0		0.05	0.0	0.14	0.0	0.0	0.13	1.31	0.0	0.22	0.4
30	0.0		0.10	0.0	0.0	0.0	0.0	0.0	1.19	0.76	0.06	0.0
31	0.0		0.0		0.14		N.O	0.0		0.0		0.0
TAL	6.68	3.10	5.88	2.47	2.16	3.13	0.64	0.65	3.28	4.31	5.64	7.2
A AV	8.65	3.13	3.26	2.63	1.67	2.39	0.47	1.37	1.25	3.03	4.84	6.6

NOTES: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded) at Station 166394.
'Actual' amounts were computed as per relationship developed by W. R. Bason, "Computing Actual Trecipitation",
Proceedings of WMO-TUBS Symposius, Gelio, Norway, August, 1972. The equation used is: long (U/A) = 10ge (U/S) x
1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation. STA AV values
are based on 4 yr (1866-71) record period.

1971	D	AILY PREC	IPITATION	(inches)		REYNO	LDS, IDAH	D REAMOUD:	S MOUNTAI	N WATERSHED	(166076)	
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	дом	Dec
1	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.01	0.0	0.37	0.16	0.0
2	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.01	0.0	0.0	0.0	0.04
3	0.0	0.0	0.03	0.0	0.21	0.08	0.0	0.0	0.0	0.0	0.0	0.08
4	0.0	0.19	0.05	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.17
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.58
6	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.38	0.35	0.0	0.0	0.25
7	0.01	0.0	0.0	0-10	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.57	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.08
9	0.08	0.01	0.02	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.07
10	0.07	0.41	0.09	0.16	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.03
11	0_17	0.0	0.09	0_0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
12	0.05	0.0	0.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.19
13	0.09	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.07	0.20	0.17
14	0.16	0.0	0.08	0.02	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.14
15	0.27	0.04	0.06	0.0	0.17	0.0	0.0	0.0	0.0	0.01	0.0	0.08
16	0.35	0.03	0.34	0.01	0.16	0.0	0.0	0.0	0.0	0.48	0.0	0.0
17	1.93	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0
18	0.80	0.17	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0
19	0.03	0.03	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.07	0.0	0.0
20	0.06	0.0	0.0	0.12	0.01	0.0	0.0	0.0	0.0	0.06	0.0	0.0
21	0.0	0.0	0.01	0.07	0.03	0.0	0.0	0.0	0.0	0.02	0.0	0.0
22	0.25	0.0	0.56	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.33
23	0.20	0.0	0.90	0.16	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.01
24	0.0	0.10	0.04	0.08	0.0	0.0	0.0	0_0	0.0	0.0	0.15	0.0
25	0.23	0.04	0.43	0.08	0.0	0.98	0.0	0.0	0.01	0.0	0.10	0.38
26	0.01	0.0	0.30	0.0	0.0	0.73	0.0	0.0	0.09	0.17	1.36	0.0
27	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.16	0.10	0.35	0.0
28	0.0	0.01	0.0	0.0	0.0	0.16	0.0	0.0	0.02	0.0	0.73	0.0
29	0.0		0.02	0.0	0.08	0.0	0.0	0.07	0.66	0.0	0.22	0.12
30	0.0		0.04	0.0	0.0	0.0	0.0	0.0	0.60	0.33	0.06	0.0
31	0.0		0.0		0.08		0.0	0.0		0.0		0.0
TAL A AV	5.33	1.06	3.72	0.82	1.62	2.82	0.62	0.56	1.89	1.86	3.57	2.73

NOTES: Values are amounts from unshielded recording gage 166494. STA AV do not apply to unshielded rain gage records.

1971	I	AILY PREC	CPITATION	(inches)		R EY NO	LDS, IDABO	REYNOLDS	HOUNTAIN	WATERSHED	(166076)	
Day	Jan	Feb	Mar	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.01	0.0	0.84	0.25	0.0
2	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.01	0.0	0.0	0.0	0.10
3	0.0	0.0		0.0	0.21	0.09	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.39	0.21	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.27
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.89
6	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.39	0.37	0.0	0.0	0.39
7	0.02	0.0	0.0	0.24	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.84	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.19
9	0.13	0.01	0.03	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.15
10	0.10	0.43	0.11	0.27	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.08
11	0.26	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
12	0.08	0.0	0.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.36
13	0.10	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.10	0.35	0.39
14	0.18	0.0	0.10	0.02	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.3
15	0.31	0.04	0.08	0.0	0.22	0.0	0.0	0.0	0.0	0.02	0.0	0.19
16	0.37	0.03	0.45	0.01	0.20	0.6	0.0	0.0	0.0	0.66	0.0	0.0
17	1.93	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0
18	0.82	0.39	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0
19	0.03	0.08	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.08	0.01	0.0
20	0.07	0.0	0.0	0.23	0.03	0.0	0.0	0.0	0.0	0.06	0.0	0.0
21	0.0	0.0	0.01	0.19	0.07	0.0	0.0	0.0	0.0	0.03	0.0	0.0
22	0.28	0.0	0.59	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.0	0.5
23	0.23	0.0	0.91	0.37	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.01
24	0.0	0.23	0.04	0.17 0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0
25	0.26	0.10	0.43	0.1/	0.0	1.04	0.0	0.0	0.01	0.0	0.15	0.65
26	0.01	0.0	0.40	0.0	0.0	0.78	0.0	0.0	0.11	0.19	1.71	0.0
27	0.0	0.08	0.0	0.0	0.0	0.16	0.0	0.0	0.19	0.16	0.48	0.0
28	0.0	0.15	0.0	0.0	0.0	0.17	0.0	0.0	0.03	0.0	0.87	0.0
29	0.0		0-04	0.0	0.11	0.0	0.0	0.10	0.97	0.0	0.22	0.20
30	0.0		0.07	0.0	0.0	0.0	0.0	0.0	0.88	0.53	0.06	0.0
31	0.0		0.0		0.11		0.0	0.0				
AL	6.02	2.01	4.59	1.69	1.86	3.04	0.63	0.61	2.56	2.92	4.74	5.02

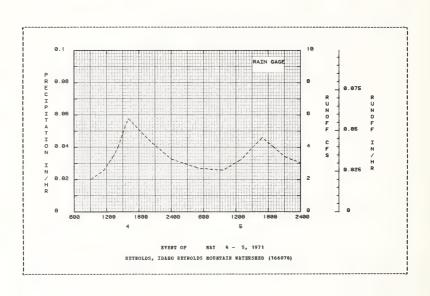
ROTES: Values are amounts from shielded recording gage 166594. STA AV do not apply to shielded rain gage records.

197	71	MEAN DAILY	DISCHAR	SE (cfs)		RETHO	LDS, IDAHO	REYBOLDS	HOUNTAIN	WATERSHE	(166076)
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.039	0.156	0.103	0.146	1.873	1.088	0.286	0.027	0.008		0.035	0.034
2	0.039	0.150	0.101	0.137	2.356	1.080	0.264	0.029	0.010		0.035	0.035
3	0.039	0.142	0.093	0.133	2.516	0.950	0.229	0.022	0.011		0.035	0.035
4	0.039	0.137	0.085	0.144	3.405	0.989	0.190	0.023	0.010		0.035	0.036
. 2	0.039	0.132	0.086	0.203	3.275	0.942	0.161	0.024	0.007	0.070	0.032	0.036
6	0.041	0.128	0.085	0.327	3.368	0.949	0.154	0.040	0.018		0.031	0.034
7	0.040	0.123	0.084	0.396	3.743	1.039	0.134	0.027	0.012	0.075	0.031	0.034
8	0.036	0.120	0.084	0.279	3.442	1.067	0.123	0.023	0.010	0.063	0.030	0.034
9	0.033	0.119	0.085	0.338	3.549	1.005	0.110	0.019	0.009		0.030	0.034
10	0.030	0.193	0.086	0.371	3.494	1.046	0.103	0.020	0.009	0.051	0.033	0.034
11	0.031	0.213	0.085	0.281	3.653	0.977	0.098	0.027	0.008		0.035	0.034
12	0.034	0.181	0.084	0.245	3.570	0.931	0.088	0.028	0.009	0.040	0.033	0.034
13	0.034	0.174	0.083	0.224	3.157	0.941	0.078	0.026	0.009	0.036	0.032	0.034
14	0.034	0.164	0.082	0.340	2.804	0.840	0.072	0.028	0.007	0.037	0.032	0.034
15	0.034	0.154	0.081	0.572	2.859	0.790	0.067	0.027	0.010	0.031	0.031	0.034
16	0.034	0.147	0.081	0.592	2.291	0.738	0.063	0.019	0.011	0.027	0.031	0.034
17	0.074	0.141	0.079	0.518	1.781	0.672	0.063	0.014	0.012	0.029	0.031	0.034
18	1.084	0.138	0.078	0.397	1.578	0.647	0.061	0.014	0.013	0.033	0.030	0.034
19	1.493	0.137	0.076	0.491	1.461	0.622	0.065	0.013	0.013		0.030	0.034
20	1.047	0.131	0.072	0_614	1,225	0.593	0.059	0.010	0.015	0.039	0.031	0.034
21	0,528	0.127	0.071	0.536	1.060	0.598	0.053	0.010	0.014	0.042	0.031	0.034
22	0.365	0.124	0.074	0.537	1.221	0.563	0.078	0.010	0.013	0.060	0.030	0.031
23	0.296	0.121	0.190	0.540	1.386	0.515	0.061	0.010	0.012	0.059	0.027	0.028
24	0.250	0.119	0.210	0.467	1.361	0.458	0.048	0.008	0.012	0.053	0.027	0.028
25	0.215	0.119	0.161	0.416	1.562	0.679	0.042	0.007	0.013	0.045	0.029	0.028
26	0.193	0.116	0.181	0.388	1.951	0.887	0.038	0.008	0.017	0.047	0.028	0.027
27	0.184	0.111	0.189	0.427	1.974	0.549	0.036	0.008	0.020		0.029	0.027
28	0.174	0.106	0.154	0.666	1.647	0.493	0.033	0.008	0.020		0.032	0.027
29	0.164		0.139	0.866	1.605	0.378	0.030	0.011	0.013		0.034	0.028
30	0.158		0.165	1.184	1.443	0.325	0.030	0.009	0.014		0.034	0.028
31	0.156		0.165		1.239		0.027	0.008		0.035		0.028
AN	0.2245	0.1403	0.1096	0.4259	2.3176	0.7782	0.0950	0.0180	0.0119	0.0431	0.0316	0.032
CHES	1.657	0.935	0.809	3.041	17, 101	5,557	0.701	0.133	0.085	0.318	0.225	0.23
A AV	0.457	0.365	0.467	2-264	9.882	3,983	0.373	0.078	0.054	0.121	0.243	0.18

NOTES: To convert CPS to IM/DAY, multiply by 0.238017. STA AV based on 6 yr (1966-71) record period.

	ERT CONDI				INPALL			RUBOP	P	
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day		Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVE	HT OF	HAY 4 -	5, 1971				
В	G			RG						
5- 5	0.0		5- 5	2400	0.0	0.0	5- 4	910	2.041	0.0
5- 4		0.226						1130	2.584	0.0535
								1325	3.544	0.1117
								1410	4.036	0.1399
								1530	5.348	0.2020
	CONDITIONS									
	ed W-13(16							1605	5.766	0.2341
	t occured a							1950	4.469	0.4244
	armer temp							2400	3.269	0.5843
	This is a						5- 5	500	2.712	0.7326
owmelt ev ecipitati	ent with n	D						935	2.584	0.8530

NOTES: To convert CFS to IN/HR, multiply by 0.009917.



BEYNOLDS. IDAHO LOWER SHEEP CREEK WATERSHED (117066)

LOCATION: Owyhee County, Idaho; 40 miles south of Hampa, Idaho; a tributary to Reynolds Creek, a tributary to the Snake River.

AREA: 33.00 acres

HC	NTHL	PRECIP	HOLTATION	AND RUB	OFF (inch	es)	B	EYHOLDS,	IDAHO LO	ER SHEEP	CREEK	WATERSHED	(117066)
		Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	1.79	0.83	2.85	1.27	0.82	2.37	0.59	0.39	2.53	1 38	1.54	2.21	18.57
1971	Q	0.164	0.009	0. 138	0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.314
STA AV	P	2.50	0.72	1.34	0.99	096	1.60	0.34	0.86	0.93	1.07	1.58	1.40	14.25
	Q	0.111	0.009	0.120	0., 006	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.001	0.249
		Maxi: Disch		1 Hou			axisus	Volume	for Select	ted Time		ED TIME IN al 2 Days		Days
		Date 1	Rate	Date V	ol. Dat	e Vol.	Date	Vol.	Date Vol.	Date	Vol.	Date Vo	l. Dat	e Vol.
1971		3-12	0.006	3-12 0	005 3-1	2 0.009	1-17	0.022	1-17 0.0	12 1-17	0.066	1-16 0.	110 1-1	6 0.148
						HAXIHUMS	FOR P	ERIOD OF	RECORD					

NOTES: Watershed conditions: Watershed is entirely sagebrush rangeland used almost exclusively for cattle grazing. Vegetation consists of bluebunch wheatgrass, Sandberg bluegrass, cheatgrass, parrow, and little sagebrush. 90% of the area has a vegetative cower of 0-25% and 10% of the area has a vegetative cower of 0-25% and 10% of the area has a vegetative cower of 0-25% and 10% of the area has a vegetative cower of 0-25% per one of the comparison of the com

197	1 DA	ILY	AIR T	BEPE	BATUE	E (d										BB S	BEEP	CREE	K WAT	ERSE	ED (1706	6)	
Day	Ja max		Pe na x		Ha max		Ap max		Ba	y	Ju max		Ju		lu max		Se		0c		nax		De max	
1	19	9	46	34	24	11	46	29	72	50	48	39	78	57	94	71	78	46	44	34	34	28	28	20
2	14	5	35	20	34	17	51	34	71	54	52	37	70	54	89	75	60	45	52	40	37	25	29	21
3	11	3	24	14	42	28	48	28	68	46	58	42	68	45	92	69	62	44	59	47	45	30	26	20
5	11	3	31	18	28	19 17	52	35	60	46	57	45	76 75	53 53	90	73	72	48	67	52	48	26	27	23
5	14	3	26	14	26	17	58	41	57	43	66	48	75	53	87	65	84	58	70	54	31	19	39	21
6	21	8	27	12	35	17	63	41	56	41	71	50	68	50	87	63	72	49	71	58	36	23	37	15
7	34	20	36	18	44	23	46	33	62	44	77	59	71	47	86	68	64	41	70	55	46	26	16	8
8	35	32	37	27	41	27	53	31	58	48	65	47	82	65	91	69	76	50	71	56	46	30	31	10
9	36 35	33 29	42 55	28 36	46 45	32	60 47	45 24	62 63	49	67	53	82	57	92 91	72 71	86	62	71 73	58	49	38	33 25	2:
10	35	29	22	36	45	31	47	24	63	49	60	48	66	46	91	/1	88	63	/3	61	56	48	25	21
11	32	24	48	32	43	35	44	31	66	46	66	42	66	47	91	66	75	57	69	56	51	43	22	19
12	26	12	54	41	43	30	45	27	68	52	75	54	74	52	93	72	78	57	63	49	48	35	25	2
13	18	13	51	38	33	25	56	37	58	42	74	57	79	65	96	76	77	60	71	46	36	32	22	17
14 15	29 34	16 26	52	36	37	25	63	45		36	65	48	83	63	85	71	65	41	46	36	32	26	27	2
15	34	26	46	30	33	23	50	33	69	33	72	51	91	68	90	70	65	45	40	31	32	27	22	1
16	42	31	38	26	31	20	54	33	41	29	70	52	91	73	8.3	68	58	42	36	33	35	22	30	2
17	41	30	34	29	27	17	41	32	46	27	69	59	89	73	84	65	55	40	43	29	34	24	37	2
18	45	37	40	28	33	17	43	29	54	30	68	53	82	72	82	64	59	38	42	32	30	24	28	2
19 20	51 32	19	29 33	21	40 48	21 32	56 53	30 34	58 42	34	72 81	55 60	79 80	64	90 86	66 68	70 60	45 46	44	40 36	41 40	30	33 34	21
20	32	19	33	22	40	32	23	34	42	30	81	60	80	65	86	68	60	46	47	36	40	33	34	2
21	27	16	39	23	48	39	47	31	50	33	88	61	87	65	83	64	60	39	44	34	38	29	39	3:
22	23	14	33	25	49	37	52	34	60	39	89	63	83	60	81	48	67	46	57	44	40	31	41	3.5
23	31	24	36	26	44	38	41	30	63	41	82	60	85	65	70	44	75	54	48	34	43	33	33	2
24 25	33	25	44	26	45	35	34	29	69	51	82	57	89	67	78	54	73	50	41	32	43	33	41	3
25	36	31	27	19	43	35	47	31	72	54	69	54	85	66	83	65	54	41	47	29	34	28	34	2
26	48	35	26	15	50	31	47	34	71	50	54	47	85	66	88	66	49	38	48	32	39	29	41	3
27	44	34	26	17	39	26	54	34	73	51	57	44	87	66	86	70	46	36	31	20	32	28	31	2
28	45	35	19	13	46	28	59	42	61	48	57	42	87	69	84	68	52	36	22	15	35	29	30	16
29 30	47 48	36 41			58	42	60	41	65	42	62	41	89	71	84	63	40	34	30	12	32	30	24	20
31	48 51	40			53 41	28 25	65	48	52 52	39 36	71	50	91 90	73	82 70	59 51	37	34	34 28	29 25	31	21	24 32	20
V		23	37		40	27	51	34	61		68		81	62	86	66		46		39	39	29	30	22
EAR		. 1	30			- 6		-7		. 7		-4		1.3		⊸ 9		.7		- 0		1.3		.4
TA AV	33	23	39	27	42	28	47	30	60	40	67	49	81	60	80	59	66	48	51	36	41	29	32	21

NOTES: Temperature data taken from hygrothermograph record at Station 127X49. STA AV based on 5 yr (1967-71) record period.

19	71 I	AILY PEEC	IPITATION	(inches)		RETHO	LDS, IDAHO	LOWER S	HEEP CREES	WATERSHED	(117066)	
Day	Jan	Feb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	/ Oct	BOA	Dec
1	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.12	0.0
2	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0_0	0.0	0.16	0.08	0.0	0.02	0.08	0.0	0.0	0.02
4	0.0	0.03	0.04	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.02	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.25
6	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.17	0.27	0.0	0.0	0.16
7	0.02	0.0	0.0	0.15	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
8	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
9	0.02	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.13
10	0.0	0.05	0.05	0.27	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
11	0.23	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.09	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.28
13	0.15	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.04	0.02	0.24
14	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.20
15	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.06	0.03	0.90	0.0	0.02	0.0	0.0	0.0	0.0	0.76	0.0	0.0
17	0.75	0.17	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
18	0.22	0.25	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.01	0.08	0.0
19	0.02	0.10	0.0	0.0	0.0	0.0	0.27	0.0	0.0	0.13	0.0	0.0
20	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0
21	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.15	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.31
23	0.0	0.0	0.35	0.27	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.03
24	0.0	0.18	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0
25	0.0	0.0	0.25	0.18	0.0	0.32	0.0	0.0	0.0	0.0	0.02	0.40
26	0.0	0.0	0.35	0.0	0.0	0.84	0.0	0.0	0.06	0.05	0.94	0.02
27	0.0	0.02	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.04	0.0	0.0
28	0.0	0.0	0.0	0.0	0.06	0.20	0.0	0.0	0.06	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.18	0.50	0.0	0.0	0.0
30	0.0		0.0	0.0	0.04	0.0	0.0	0.0	1.56	0.17	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.79	0.83	2.85	1.27	0.82	2.37	0.59	0.39	2.53	1.38	1.54	2.21
STA AV	2.50	0.72	1.34	0.99	0.96	1.60	0.34	0.86	0.93	1.07	1.58	1.40

NOTES: Values are 'Actual' asounts from a pair of recording gages (shielded and unshielded) 127107, 'Actual' asounts were computed as per relationship developed by W. E. Bason, "Computing Actual Precipitation", Proceedings of WOO-IDES Symposium, Gello, Borvay, August, 1972. The equation used is: long (D/A) = long (D/S) = 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation. STA AV values are based on W yr (1968-7) record period.

1971	l Di	AILY PREC	EPITATION	(inches)		RETWO	LDS, IDAH	LOWER S	BEEP CREE	WATERSH	BD (11706	5)
Da y	Jan	Feb	Har	Apr	Вау	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.03	0.0
2	0.0	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.13	0.06	0.0	0.02	0.08	0.0	0.0	0.01
4	0.0	0.03	0.04	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.02	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.17
6	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.15	0.26	0.0	0.0	0.10
7	0.01	0.0	0.0	0.06	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
8	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
9	0.01	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.01
10	0.0	0.05	0.05	0.05	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
11	0.14	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.05	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.01
13	0.09	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.03	0.02	0.01
14	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.01
15	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.06	0.0	0.33	0.0	0.02	0.0	0.0	0.0	0.0	0.67	0.0	0.0
17	0.72	0.06	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0
18	0.21	0.07	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.08	0.0
19	0.02	0.03	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.12	0.0	0.0
20	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
21	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.11	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.25
23	0.0	0.0	0.26	0.17	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.02
24	0.0	0.06	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
25	0.0	0.0	0.18	0.11	0.0	0.30	0.0	0.0	0.0	0.0	0.01	0.33
26	0.0	0.0	0.10	0.0	0.0	0.79	0.0	0.0	0.06	0.05	0.55	0.01
27	0.0	0.02	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.01	0.0	0.0
28	0.0	0.0	0.0	0.0	0.05	0.19	0.0	0.0	0.03	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.13	0.29	0.0	0.0	0.0
30	0.0		0.0	0.0	0.04	0.0	0.0	0.0	0.91	0.04	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TAL A AV	1.47	0.32	1.73	0.66	0.65	2.18	0.55	0.32	1.63	1.08	0.96	0.94

NOTES: Values are amounts from unshielded recording gage 127407. STA AV do not apply to unshielded rain gage records.

1971	D.	AILY PREC	IPITATION	(inches)		REYBO	LDS, IDAH	D LOWER S	BEEP CREE	K WATERSHE	D (11706	6)
Day	Jan	Feb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Ho¥	Dec
1	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.07	0.0
2	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.14	0.07	0.0	0.02	0.08	0.0	0.0	0.01
4	0.0	0.03	0.04	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.02	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.21
6	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.16	0.27	0.0	0.0	0.14
7	0.01	0.0	0.0	0.10	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
8	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
9	0.01	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.05
10	0.0	0.05	0.05	0.13	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
11	0.19	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.07	0.0	0.58	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.19	0.11
13	0.12	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.04	0.03	0.10
14	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.08
15	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.06	0.02	0.58	0.0	0.02	0.0	0.0	0.0	0.0	0.72	0.0	0.0
17	0.74	0.14	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
18	0.22	0.16	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.08	0.0
19	0.02	0.07	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.13	0.0	0.0
20	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
21	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.14	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.28
23	0.0	0.0	0.32	0.22	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.02
24	0.0	0.10	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0
25	0.0	0.0	0.22	0.15	0.0	0.31	0.0	0.0	0.0	0.0	0.02	0.37
26	0.0	0.0	0.19	0.0	0.0	0.82	0.0	0.0	0.06	0.05	0.74	0.01
27	0.0	0.02	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.02	0.0	0.0
28	0.0	0.0	0.0	0.0	0.05	0.20	0.0	0.0	0.04	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.17	0.39	0.0	0.0	0.0
30	0.0		0.0	0.0	0.04	0.0	0.0	0.0	1.23	0.09	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TAL A AV	1.64	0.59	2.26	0.93	0.73	2.29	0.57	0.37	2.07	1.23	1.24	1.45

NOTES: Values are amounts from shielded recording gage 127507. STA AV do not apply to shielded rain gage records.

1971		MEAN DAILY	DISCHAR	GE (cfs)		REYNO	LDS, IDAI	HO LOWER S	SHEEP CRE	BK WATERSI	BBD (1170	66)
Day	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.003	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0 T	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.001	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0 T	0.001	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.002	0.027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.001	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.001	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.012	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.083	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.066	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.026	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.009	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.002	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.001	0.0	0.023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.003	0.0	0.037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.004	0.001	0.013	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.002	0.0 T	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.004	0.0	0.016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.002	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.001	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.002		0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 31	0.003		0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.004		0.001		0.0		0.0	0.0		0.0		0.0
AH	0.0073	0.0005	0.0062	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000
CHES	0.164	0.009	0.138	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
A.A.	0.111	0.009	0.120	0.006	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0

HOTES: To convert CFS to IM/DAY, multiply by 0.721262. SIA AV based on 5 yr (1967-71) record period.

CHICKASHA, OKLAHOMA WATERSHED 100 AT ANADARKO

LOCATION: Washita Eiver above Anadarko, Okla.; Southwest Central Oklahoma and Teras Panhandle; in Caddo, Kiowa, Washita, Custer, Beckham, and Roger Bills Counties, Okla.; and Bemphill, Wheeler, and Gray Counties, Tex.; Washita Elver, Led Kiver Bash. GACING STATION-WBY/4 sec. 15, 2.7 N. R. 10 W., 1st. 35 deg. 05 min.; long. 98 deg. 18 min.; North edge of Amadarko, Okla., 35 feet upstream from U.S. Bighway 281 bridge over Washita Biver; at river mile 305.2, approximately 8.1 miles pastream from Confluence of Sugar Creek.

AREA: 2339800.00 acres 3656.00 sq. miles

	HONTHLY	PRECIPI	TATION	AND RUNO	FF (inche:	s)		CHICKAS	SHA, O	KLAHOHA	WAS	TERSHED	100 AT	AWADAR	ко	
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Au	ig S	ep	0ct	Nov	Dec	A	nnual
1971	Q	0.016	0.016	0.016	0.005	0.003	0.031	0.041	0.	016 0	. 092	0.058	0.05	0.0	61	0.411
	Q	0.041	0.039	0.045	0.055	0.133	0.133	0.053	0.	041 0	. 102	0.084	0.087	7 0.0	50	0.863
	ABNU	ML BAXIS Baxis Discha	ns rge	HARGE (i			laximum 6 He	Volume ours	for S	elected	Time	SELECTE Interva Day	1	ays		
1971		10-31			001 10-31		10-31	0.005 1	10-31	0.010						0.058
		9-23 C		9-23 0. 1965	004 9-23 1965		9-23 1965	0.026	9-23 1965	0.052	9-23 1965	0.100	9-23 1965	0.188	9-23 1965	0.384

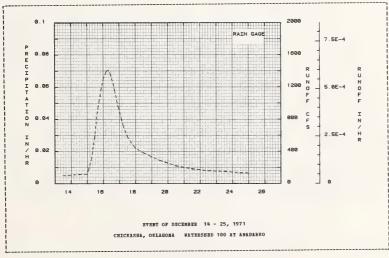
NOTES: Watershed conditions not applicable. Yor map of watershed, see Hydrologic Data for Experimental Apricultural Watersheds in the United States, 1965, USAN finc. Pub. 1216, p. 65,7-21. Since this is the inflow station to a study reach, precipitation data are not applicable. Wanoff records began Oct. 1961. For long-time precipitation records, see Mational Weather Service records at Chickasha, Olla.

1971		MEAN DAILY	DISCHARG	E (cfs)		CHI	CKASBA, O	KLAHOHA	WATERSHE	D 100 AT	ANADARKO	
Da y	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	36.1	55.4	72.1	33.8	12.0	297.7	12.8	72.1	100.6	171.0	1600.5	70.4
2	37.8	54.9	79.5	30.0	11.2	239.8	205.6	60.8	67.2	137.1	682.7	75.5
	48.0	52.5	76.0	25.4	11.1	52.2	1198.2	47.1	45.0	121.3	375.0	77.9
	49.7	54.4	67.7	24.9	11.1	32.0	596.9	38.7	34.1	961.3	282.8	78.2
5	49.0	52.3	59.9	25.9	11.1	29.6	715.1	28.1	31.7	587.5	245.4	79.0
6	45.0	53.2	55.6	25.7	10.5	49.5	203.9	21.2	39.4	240.7	197.6	84.4
. 7	44.1	52.5	53.2	23.4	9.9	39.0	104.3	16.7	264.9	164.5	161.7	87.6
8	42.8	46.8	50.4	20.1	9.9	23.7	75.9	19.7	307.7	127.8	143.7	91.2
9	43.1	45.7	51.1	17.7	10.4	21.8	57.6	22.0	156.6	107.9	129.0	90.3
10	47.8	52.3	49.9	15.6	10.5	49.6	43.8	21.3	119.2	94.6	115.8	91.5
11	61.0	53.0	49.7	14.0	10.4	248.5	36.9	15.8	110.9	83.1	107.2	90.0
12	60.6	50.9	50.2	14.4	9.8	358.5	26.9	15.5	99.7	73.9	99.5	89.7
13	55.2	54.6	53.2	13.8	9.2	348.9	21.3	16.8	91.2	66.2	93.0	90.9
14	58.8	55.8	54.9	13.9	8.8	394.7	17.6	162.6	70.0	62.7	91.5	100.5
15	60.8	58.3	53.4	13.8	9.7	278.4	13.1	127.9	49.3	56.6	87.3	116.2
16	59.1	55.8	51.5	12.6	9.8	124.1	11.6	89.7	39.2	55.6	83.3	664.0
17	56.1	55.6	49.9	11.8	9.8	82.4	9.3	73.2	41.1	56.1	82.1	1249.7
18	57.3	57.1	49.7	11.2	9.7	61.3	7.3	144.8	53.3	58.0	78.5	622-4
19	58.8	57.1	49.0	11.1	9-2	43.1	5.8	64.5	309.8	52.7	75.7	384.0
20	57.1	56.3	45.0	10.6	8.5	36.8	5.1	48.0	1054.3	50.4	72.2	291.9
21	54.4	60.8	43.9	10.5	7.4	28.0	4.7	38.8	836.3	52.6	71.9	224.6
	56.6	62.9	41.4	10.5	6.8	22.6	5.0	34.9	313.1	71.2	73.5	183.9
23	55.4	62.1	40.9	10.6	6.7	21.9	5.0	26.0	198.6	95.0	73.8	160.7
	53.7	63.5	40.9	11-1	6.3	31.2	4.6	24.0	155.7	79.6	73.8	148.6
25	52.7	55.4	40.7	11.6	6.2	30.2	75.9	25.9	435.6	66.3	74.1	133.3
2.6	49.0	56.8	39.7	14.3	6.2	19.9	88.0	26.9	1477.3	60.4	76.0	126.1
27	51.3	58.1	40.9	15.2	6.3	15.4	78.0	24.2	1335.2	60.7	77.9	120.5
	53.2	63.7	42.2	13.6	6.7	12.1	78.0	18.7	616.9	57.8	77.6	115.4
	53.7		40.9	13.4	6.8	10.7	122.1	17.6	355.3	57.3	73.8	112-4
30	55-1		38.7	13.6	6.6	11.3	86.1	41.3	243.2	147.4	70.1	109.7
31	55.4		34.0		27.0		77.1	227.3		1582.3		53.9
MEAN	52.21	55.63	50.53	16.47	9.53	100.49	128.82	52.00	301.75	182.57	184.90	194.02
	0.016	0.016	0.016	0.005	0-003	0.031	0.041	0.016	0.092	0.058	0.056	0.061
STA AV	0.041	0.039	0.045	0.055	0.133	0.133	0.053	0.041	0.102	0.084	0.087	0.050

HOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. To convert discharge in CFS to I#/DAY, multiply by 0.0001017. To convert discharge in inches to AC-FT, multiply by 1949.933. STA BY based on 11 yr (1961-71) record period.

	TED RUBOR	P EVENT			CHICKA	SHA, OKLAH	OHA WAS	KKSHED 1	OO AT AHADA	
ANTECEDER				RA	INPALL			RURO		
Date B	ainfall	Runoff (inches)	Date	Time	Intensity (in/hr)	Acc.	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
Ho-Day (inches)	(inches)	=======							
			BAE	NT OF DEC	EBBER 14 -	25, 1971				
12-14		0.001					12-14	1200	99.470	0.0
12-14		0.001						2400	108.620	0.0005
							12-15	1200	117.770	0.0011
								2400	120.510	0.0017
							12-16	306	201.250	0.0019
WATERSHED CO								706	336.990	0.0024
ot applicabl	.0							1106	566.060	0.0032
								1506	867.338	0.0044
								1630	944.238	0.0049
								1806	1022.800	0.0056
								1930	1091,248	0.0062
								2106	1165-049	0.0070
								2400	1290.049	0.0085
							12-17	136	1329.928	0.0094
								306	1357.698	0.0103
								536	1407.678	0.0118
								706	1410.329	0.0127
								836	1402.378	0.0136
								1006	1380.398	0.0145
								1200	1333.668	0.0156
								1506	1242.808	0.0173
								1806	1129.029	0.0188
								2106	1006.519	0.0202
								2211	966.428	0.0207
								2400	919.518	0.0214
							12-18	306	807.598	0.0225
							12-10	706		0.0238
								1206	586.298	0.0252
								1806	505.110	0.0266
								2400	440.740	0.0278
							12-19	1200	380.330	0.0299
							12-13	2400		0.0317
							12-20	1200		0.0333
							12-20	2400	254.970	0.0347
							12-21	1200	221.030	0.0359
								2400	201.475	0.0370
							12-22	1200		0.0370
							12-22	2400		0.0389
							12-23	1200	159.000	0.0397
							12-23	2400	154.325	0.0405

NOTES: To convert runoff in CPS to IM/HH, waltiply by 0.0000004239. No precipitation record is shown because all of the watershed lies outside of the area in which precipitation is measured.



CHICKASHA, OKLAHOMA WATERSHED 200 AT WERDEN

LOCATION: Washita Eiver above Verden, Okla.; Southwest Central Okla. and Texas Panhandle; in Caddo, Canadian, Kiowa, Washita, Custer, Beckhan, and Roger Hills Counties, Okla.; and Hemphill, Wheeler, and Gray Counties, Tex.; Washita Elver; Bed Fiver Basin. GASHNG STAILON-SWI/A Sec. 7, 7. 7 Ps. 7, R. 8 W., Lat. 35 deg. 05 min., long. 98 deg. 05 min.; North edge of Verden, Okla. at county road bridge over Washita Elver; at river mile 283.4, approximately 8.4 miles upstream from confidence with lonine Creek.

AREA: 2612500.00 acres 4082.00 sq. miles

	но	BTHLY	PRECIP	KOLTATION	AND RUNOP	P (inche	s)		CHICKAS	SHA, O	KLABOM	A WAS	ERSHED	200 AT	VERDEN		
			Jan	Feb	Mar	Apr	Hay	Jun	Jul	Δu	ıg S	Sep	0ct	Bov	Dec	ā	nnua1
197	71	P Q	0.99 0.016	1.34	0.03 0.016	0.54 0.005	4.03 0.003	3.79 0.038	2-29 0.037			52 0.079	3.41 0.049	0.72 0.05			8.27 0.390
STA	ΑV	P Q	0.60 0.045	0.97 0.041	1.33 0.045	2.62 0.055	3.76 0.128	3.57 0.134	1.83 0.050			. 66). 096	1.68 0.083	1.67 0.08			6.56 0.852
		VBRO	AL MAXI	UM DISC	HARGE (in	/hr) AND	BAXIBUE	AOLUBE	S OF RE	ROPP	(inches) POR	SELECTE	ED TIME	INTERV	ALS	
			Maxi Disch Date	arge	1 Hour Date Vol		Hours Vol.	faximum 6 Ho Date	urs	12 B		1	Interva Day Vol.		vol.	8 Date	ays Vol.
197	71		11- 1	0.001 1	1- 1 0.0	01 11- 1	0.001	11- 1	0.004	11- 1	0.008	10-31	0.016	10-31	0.027	9-20	0.050
							HAZIMUMS	FOR PE	RIOD OF	P RECO	DED						
			5- 6 1969		5- 7 0.0 1969	02 9-24 1965		9-24 1965	0.014	9-24 1965	0.028	9-23 1965	0.055	9-23 1965	0.108	9-218 1965	0.344

NOTES: Watershad conditions: For area not included above substermined as determined from a revised 971 survey, 10, 65,007-1, this publication): sowed crop - 268; for crop - 98; alfalfa - 98; penture and range - 48% and mixedulaneous - 13%. For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA misc. Publ 1216, p. 98.7-21. Procipitation data obtained from a Thicssed weighted average of 66 rain gages for the reach between stations at Amadarko and Werden. Precipitation records began Oct. 1961; Namoff records began spt. 1961. Put long-time precipitation records, see Mational Weather Service roots, at Clinksha,

1971	Di	AILY PREC	IPITATION	(inches)		CBI	CKASHA, O	KLAHOHA	WATERSHE	D 200 AT 1	VERDEN.	
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.08	0.0	0.54	0.0	0.0	0.0	0.01	0.05
2	0.41	0.0	0.03	0.0	0.0	0.18	0.03	0.0	0.0	1.07	0.0	0.49
3	0.58	0.0	0.0	0.0	0.01	0.57	0.0	0.0	0.0	0.0	0.0	0.15
4	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.07	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.01	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.01	0.14	0.0	1.04	0.0	0.01	0.01	0.12
9	0.0	0.0	0.0	0.0	0.53	0.69	0.0	0.0	0.01	0.0	0.0	0.05
10	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.01	0.0	0.0	0.0	0.07
11	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.02	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.06	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0 -	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.04	0.0	0.0	0.0	1.16
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.05	0.0	0.0	0.03	0.0	1.44	0.02	0.04	0.0
18	0.0	0.30	0.0	0.0	0.06	0.0	0.0	0.0	0.96	0.59	0.0	0.0
19	0.0	0.0	0.0	0.26	0.0	0.0	0.01	0.0	0.01	0.23	0.0	0.0
20	0.0	0.0	0.0	0.01	0.0	0.33	0.0	0.0	0.0	0.04	0.0	0.0
21	0.0	1.00	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.01	0.0	0.0	0.20	0.0	0.0	0.0	0.54	0.0
23	0.0	0.0	0.0	0.0	0.37	0.0	0.42	0.01	0.13	0.0	0.05	0.0
24	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	1.89	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
26	0.0	0.0	0.0	0.11	0.79	0.0	0.0	0.0	0.0	0.86	0.0	0.0
27	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.02	0.0	0.0	0.95	0.11	0.0	0.02	0.0	0.0
29	0.0		0.0	0.04	0.0	0.0	0.11	0.55	0.0	0.46	0.0	0.23
30	0.0		0.0	0.0	0.36	0.22	0.0	0.0	0.0	0.11	0.07	0.0
31	0.0		0.0		1.76		0.0	0.0		0.0		0.0
TOTAL	0.99	1.34	0.03	0.54	4.03	3,79	2.29	4.19	4.52	3.41	0.72	2.42
STA AV	0.60	0.97	1.33	2,62	3.76	3.57	1.83	2.81	4.66	1.68	1.67	1.06

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Daily precipitation values Thiessen weighted average of 66 rain gages on the watershed. STA AV based on 11 yr (1961-71) record period.

197	1	MEAN DAILS	DISCHARG	E (cfs)		CHI	CKASHA, O	KLABOBA	WATERSHE	D 200 AT	VERDEN	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	47-6	53.2	66.5	30.4	12.7	526.2	15.6	76.8	161.9	221.4	1776.1	75.6
2	46.6	53.9	77.7	27.6	10.6	324.5	20.2	57.6	102.1	206.1	963.0	78.6
3	56.1	53.6	85.6	26.6	8.5	168.0	908.7	48.7	59.8	299.9	494.0	85.8
4	60.9	51.1	84.3	24.6	8.0	103.7	733.4	36.6	46.5	479.4	348.1	89.
5	48.3	51.8	78.6	23.9	7.6	64.2	896.1	29.8	36.9	881.4	284.1	89.0
6	44.9	51.1	74.1	24.4	7.3	46.0	374.7	23.1	29.3	329.5	240.6	90.
7	44.7	52.9	70.3	24.8	7.3	60.6	144.6	19.2	50.6	222.4	201.0	92.
8	44.7	49.1	67.6	23.6	7.8	44.7	103.3	32.1	372.0	168.7	162.4	95.0
9	45.8	47.0	63.6	21.0	11.3	110.7	73.8	30.0	203.7	141-0	147.8	99.
10	55.7	49.6	61.4	19.0	16.2	107.8	58.1	24.3	130.4	120.6	138.5	99.2
11	77.6	52.6	60.2	18.1	13.0	200.5	46.3	21.1	107.1	104.9	124.4	94.
12	73.1	51.9	59-1	15.8	10.6	402.1	35.0	17.3	102.2	92.5	112.1	92.
13	68.9	50.0	60.9	13.6	9.2	323.7	25.4	16.6	92.0	84.8	102.8	92.6
14	61.3	54.4	60.9	12.3	9.0	437.4	19.4	75.9	81.3	81.1	97.5	98.9
15	64.0	56.7	58.7	11.4	9.0	396.3	16.6	212.3	58.1	78.9	92.3	184.
16	67.0	58.5	57.5	11.3	8.9	222.0	11.4	135.0	43.1	76.8	89.8	284.2
17	64.2	55.6	55.5	13.5	8.2	126.9	8.8	84.4	40.7	74.9	88.6	1175.
18	62.0	56.4	53.0	13.3	7.0	81.2	7.4	112.3	59.5	73.6	87.4	864.
19	63.4	60.9	54.3	11.7	6.1	57.9	4.9	110.4	88.4	71.1	85.3	486.2
20	61.5	59.4	53.2	12.6	6.0	42.4	3.9	59.9	689.5	65.1	83.1	359.8
21	59.8	63.0	51.9	13.6	6.0	57.3	3.3	47.3	973.4	61.0	80.5	278.3
22	55.7	69.9	48.4	14.4	6.4	36.8	2.3	40.7	486.3	58.4	81.7	218.
23	55.6	66.0	43.0	12.8	8.7	26.8	7.7	34.5	257.1	98.6	86.1	203.2
24	55.8	65.5	41.6	11.7	9.0	23.9	9.6	27.0	216.5	108.0	83.3	187.
25	56.1	66.3	41.6	10.7	6.6	30.5	8.9	24.2	243.8	84.6	80.3	167.4
26	53.2	59.4	42.2	9.0	6.1	29.4	75.1	24.4	938.9	71.9	79.2	152.
27	51.0	61.1	42.3	11.4	6.6	23.6	84.9	24.6	1393.0	90.3	79.9	143.
28	52.2	63.2	42.0	14.1	8.6	19.2	85.2	22.6	900.3	76.2	80.1	138.1
29	53.7		40.0	12.9	6.7	14.7	82.6	23.8	443.0	70.3	80.5	133.6
30	53.2		37.7	10.9	6.7	12.9	124.0	27.2	317.2	80.2	77.9	132.3
31	53.1		35.1		42.4		68.4	115.0		728.1		64.5
AN	56.70	56.57	57.06	16.69	9.62	137.40	130.95	52.72	290.82	174.25	217.60	207.9
CHES	0.016	0.014	0.016	0.005	0.003	0.038	0.037	0.015	0.079	0.049	0.059	0.05
A AV	0.045	0.041	0.045	0.055	0.128	0.134	0.050	0.037	0.096	0.083	0.085	0.05

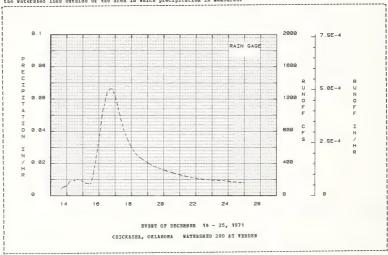
NOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.000009111. To convert discharge in inches to AC-PT, multiply by 217,708. STA AT based on 11 yr (1961-71) record period.

ANTECE	DENT CONDI	CIONS		RAI	HPALL			RUNOR	F	
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVE	IT OF DECI	ENBER 14 -	25, 1971				
12-14		0.001					12-14	1600 1711 1818 1900 1948	93.100 101.400 101.600 111.500 114.200	0.0 0.0 0.0 0.0 0.0
r area n bwatersh om a rev . 69.007 tion; so	CONDITIONS: ot included eds as deter ised 1971 so -1, this pul- wed crop - :	above mined irvey oli-					12-15	2100 2200 2400 130 330	113.000 117.300 132.600 144.800 172.800	0.0001 0.0001 0.0002 0.0003 0.0004
; pastur	4%; alfalfa e and range iscellaneous	-						430 600 1030 1230 1500	181.800 185.500 187.100 197.800 201.800	0.0005 0.0006 0.0009 0.0010 0.0012
							12-16	1800 2100 2400 400 900	198.400 189.100 174.400 155.000 145.900	0.0014 0.0016 0.0018 0.0021 0.0024
								1100 1200 1330 1530 1730	147.900 159.600 202.600 286.300 378.100	0.0025 0.0026 0.0027 0.0029 0.0032
							12-17	1930 2130 2400 130 300	479.198 581.698 713.100 809.999 926.099	0.0035 0.0039 0.0045 0.0049 0.0054

BOTES: To convert runoff in CFS to IN/BB, multiply by 0.0000003796. We precipitation record is shown because most of the watershed lies outside of the area in which precipitation is measured.

PELEC	CTED BUNCE	E STERT				OnLa			OO AT VEBDE	
ARTECEDE	er CORDIT	CIONS		RAI	BFALL			RUBO	PP	
Date 1	Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate (cfs)	Acc.
lo-Day	(inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			EARRI OL	DECEMBER	14 - 25,	1971 (CO	STINUED)			
							12-17		1011-898	0.0060
								600	1088.799	0.0066
								711	1111.898	0.0071
								900	1189.100	0.0079
								1200	1290.500	0.0093
								1500	1318.300	0.0108
								1700	1334-598	0.0118
								1830		0.0126
								1930	1320-099	0.0131
								2100	1295.498	0.0138
								2400	1217.898	0.0152
							12-18	300	1125,100	0.0165
								600	1019.799	0.0177
								900	920.500	0.0168
								1300	803.198	0.0201
								1800	699.398	0.0215
								2400	598-100	0.0230
							12-19	600	522.800	0.0243
								1200	474.198	0.0254
								1800	443.300	0.0264
								2400	410.800	0-0274
							12-20	600	379.300	0-0283
								930	362,398	0.0288
								1300	355.000	0.0293
								1600	345,398	0.0297
								2400	319.698	0.0307
							12-21	600	301.800	0.0314
								1200	289.500	0.0321
								1800	270.799	0.0327
								2400	260.000	0.0333
							12-22	1200	236.200	0.0344
								2400	218.200	0.0354
							12-23	1200	200-200	0.0364
							20	2400	194-250	0.0373
							12-24	1200	188.300	0.0382
								2400	177.450	0.0390
							12-25	1200		0.0398
							20	2400		0.0405

NOTES: To convert runoff in CFS to IN/EB, multiply by 0.0000003796. Bo precipitation record is shown because most of the watershed lies outside of the area in which precipitation is measured.



CHICKASHA, OKLAHOMA WATERSHED 500 NEAR CHICKASHA

LOCATION: Washita Biver Watershed above Chickasha, Okla.; Southwest Central Oklahoma and Teras Famhandle; in Grady Caddo, Canaddian, Klova, Washita, Custer, Beckham, and Roger Hills Counties, Okla.; and Hemphill, wheeler, and Gray Counties, Ter.; Washita Kiver, Red hiver Basin. Galling StaTION-551/4 sec. 23, T. 7 N., R. 7 W., lat. 33 deg. 05 min.; long, 97 deg. 54 min., 1 mile Sortheast of Chickasha, Okla., at B.Z. Bailey Turpike bridge over Washita Biver; at river mile 256.5, approximately 1.3 miles downstream from confluence of Line Creek.

AREA: 2768000.00 acres 4325.00 sq. miles

80	BTHLE	PRECIP	ITATION	AND RUNO	PP (inche	s)		CHICKASHA	, OKLAHO	MA WAS	PERSHED	500 HEAR	CHICKASH	A
		Jan	Feb	Mar	Apr	Ba y	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.91 0.015	1.67 0.015	0.05 0.015	0.73 0.004	4-68 0-005	5.13 0.077	2.55 0.032	3.17 0.016	4.49 0.077	3.88 0.061	0.61 0.062	2.63 0.059	30.50 0.439
TA AT	P Q	0.71 0.036	1.11 0.033	1.37 0.039	2.81 0.061	3.71 0.141	3.30 0.097	1.77	2.91 0.037	3.95 0.080	1.73 0.075	1.91 0.069	0.99 0.046	26.28 0.757
	ANHU	AL MAXI	MUM DIS	CHARGE (in	hr) AHD	BAXIBU	VOLUME	S OF RUNO	FF (inch	es) FOR	SELECTE	D TIME I	NTERVALS	
	ANBU			CHARGE (in	hr) AND								NTERVALS	
	ANHO	Hari Disch	mum arge	1 Hour	2 1	Hours	faximum 6 Ho	Volume fours 1	r Select 2 Hours	ed Time	Interva Day	1 2 Day	s 8	Days
1071		Haxi Disch Date	mum arge Rate	1 Hour Date Vol	2 I L. Date	Hours Vol.	aximum 6 Ho Date	Volume fo urs 1 Vol. Da	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	l 2 Day Date V	s 8	e Vol.
1971		Hari Disch	mum arge Rate	1 Hour Date Vol	2 l. Date	Hours Vol.	Saximum 6 Ho Date	Volume fours 1 Vol. Da	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	l 2 Day Date V	s 8	e Vol.
1971		Haxi Disch Date	mum arge Rate	1 Hour Date Vol	2 l. Date	Hours Vol.	Saximum 6 Ho Date	Volume fo urs 1 Vol. Da	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	l 2 Day Date V	s 8	e Vol.

NOTES: Watershed conditions: For area not included above subvatersheds as determined from a revised 1971 survey (p. 60.00-1, this publication); sowed crop - 36%; row crop - 2%; alfalfa - 7%; pasters and range - 44%; and misrocl- 58 tates, 1965, ISSA Hise. Pob. 1216, p. 69.7-21, (Composite). The station at Chickasha (4th 51. Watershed 400 was discontinued in 1967, therefore, causing a new Thiessen weighted average for this watershed. Frecipitation data obtained from a Thiessen weighted average for the race between Verden (200) and Chickasha (500). Precipitation records began Oct. 1961; runoff records began Jan. 1964. For long-time precipitation records, see National Reather Service records at Chickasha, (Okt.)

1971	DI	AILY PREC	IPITATION	(inches)		CHI	CKASHA, O	KLAHOHA	WATERSHE	D 500 NEA	CHICKAS	HA
Da y	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.02	0.0	0.33	0.0	0.0	0.0	0.02	0.04
2	0.12	0.0	0.04	0.0	0.0	0.62	0.0	0.0	0.0	2.17	0.0	0.49
3	0.79	0.0	0.0	0.0	0.02	0.75	0.0	0.0	0.0	0.01	0.0	0.08
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.0	1.06	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.02	0.0	1.06	0.0	0.02	0.01	0.38
9	0.0	0.0	0.0	0.0	0.68	0.44	0.0	0.0	0.0	0.0	0.0	0.10
10	0.0	0.0	0.0	0.0	0.01	0.41	0.0	0.0	0.0	0.0	0.0	0.12
11	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.06	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.22	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.42	0.0	0.0	0.0	1.05
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	1.11	0.03	0.06	0_0
18	0.0	0.48	0.0	0.0	0.08	0.0	0.0	0.0	1.13	0.45	0.0	0.0
19	0.0	0.0	0.0	0.24	0.0	0.0	0.01	0.0	0.04	0.39	0.0	0.0
20	0.0	0.0	0.0	0.03	0.0	0.47	0.0	0.0	0.0	0.08	0.0	0.0
21	0.0	1.12	0.0	0.0	0.0	1.01	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.01	0.0	0.0	0.13	0.0	0.0	0.0	0.44	0.0
23	0.0	0.0	0.0	0.0	0.48	0.0	1.13	0.0	0.24	0.0	0.03	0.0
24	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	1.95	0.0	0.0	0.0
25	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
26	0.0	0.0	0.0	0.20	1.29	0.0	0.0	0.0	0.0	0.59	0.0	0.0
27	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.01	0.0	0.05	0.0	0.0	0.94	0.07	0.0	0.0	0.0	0.0
29	0.0		0.0	0.02	0.01	0.0	0.01	0.24	0.0	0.11	0.0	0.26
30	0.0		0.0	0.0	0.31	0.08	0.0	0.0	0.0	0.03	0.05	0.0
31	0.0		0.0		1.66		0.0	0.0		0.0		0.0
TOTAL	0.91	1.67	0.05	0.73	4.68	5.13	2.55	3.17	4.49	3.88	0.61	2.63
STA AV	0.71	1.11	1.37	2.81	3.71	3.30	1.77	2.91	3.95	1.73	1.91	0.99

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Daily precipitation values Thiessem weighted average of #2 raim gages on the watershed. STA AV based on 11 yr (1961-71) record period.

1971		MEAN DAILY	DISCHARG	E (cfs)		CHI	CKASHA, O	KLAHOHA	WATERSHE	D 500 NEA	R CHICKAS	HA
Day	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	50.8	53.4	66.4	38.4	10.9	928.7	16.9	60.8	138.0	279.0	1429.7	84.7
2	52.3	54.7	69.2	35.8	11.4	373.2	17.4	72.0	128.3	466.0	1415.8	86.7
3	57.0	56.3	80.1	29.5	12.1	1763.6	212.4	58.5	88.0	1785.0	680.1	94.3
4	72.5	56.9	88.7	23.1	8.5	379.5	952-1	52.1	52.5	382.8	420.9	95.8
5	57.6	55.8	84.9	20.4	7.4	114.9	667.6	39.3	38.1	826.4	307.2	97.4
6	49.8	54.9	75.9	17.8	6.2	80.8	651.2	33.3	33.0	557.2	259.0	96.8
7	42.6	50.8	69.4	17.8	4.7	64.6	247.7	27.9	25.8	292.8	217.2	96.7
8	41.5	47.2	66.6	19.8	3.4	1185.7	131.3	72.3	94.5	211.1	187.5	111.3
9	42.2	46.7	62.7	17.8	16.3	210.4	95.2	68.9	301.4	168.9	165.9	112.7
10	46.7	48.9	59.7	16.4	10.9	212.4	67.8	42.6	170.5	145.4	150.5	112.4
11	48.7	61.4	56.8	13.5	12.6	234.1	55.6	30.0	120.5	126.9	137.9	107.8
12	57-6	59.4	56.1	13.5	12.2	360.7	40.9	23.7	100.4	111.1	125.0	100.4
13	68.4	57.0	54.5	11.0	10.0	439.1	29.7	32.3	94.1	98.5	116.8	101.3
14	70.4	54.7	56.3	6.7	6.7	357.8	23.5	39.4	80.9	90.3	110.0	118.4
15	65.1	56.9	57.5	5.6	5.6	415.1	13.3	210.2	74.6	84.4	105.7	361.5
16	68.5	58.1	54.9	6.6	4.2	330.3	10.6	237.5	55.6	78.2	100.3	238.6
17	70.7	58.9	52.7	9.5	4.0	169.3	7.6	135.7	59.2	73.8	96.1	686.2
18	66.9	74.0	48.6	11.2	3.9	109.8	2.7	85.7	95.1	74.4	95.1	1055.2
19	62.6	65.7	46.8	11.9	1.9	79.7	1.2	122.4	70.9	81.5	92.3	606.1
20	63.9	65.5	50.0	12.2	1.2	65.0	0.9	98.1	207.9	102.6	89.8	424.8
21	64.5	109.8	50.0	9.2	0.7	581.7	0.9	62.2	850.7	78.8	87.2	328.4
22	64.8	105.8	49.9	10.3	1.1	211.1	1-0	47.4	747-6	69.7	88.2	267.2
23	59.1	84.5	45.5	12.2	7.2	64.7	3.7	40.1	359.4	67.1	91.6	228.6
24	58.1	73.6	42.4	12.5	1.6	40.8	38.8	36.4	395.7	100.5	91.6	202.2
25	57.9	75.1	40.9	10.6	1.3	33.5	13.8	29.3	548.4	108.2	88.0	189.7
26	56.6	74.6	41.0	10.5	3.5	33.2	5.0	24.7	507-4	99.2	85.8	174.1
27	55.9	64.8	42.4	14.9	260.0	32.4	48.4	22.5	1231.2	105.8	85.4	161.2
28	53.0	66.3	40.9	14.4	60.2	26.9	95.9	24.4	1205.0	110.2	84.6	150.6
29	53.8		40.0	11.4	19.1	22.1	88.8	26.1	682.5	92.3	84.6	144.4
30	54.5		39.2	11.3	15.9	18.9	77.5	28.2	403.4	84.9	85.3	144.1
31	53.9		38.2	*****	46.6		103.7	27.3	10001	154.9	0000	70.9
MEAN	57.67	63, 99	55.75	15.19	18.42	297.98	120.09	61.66	298,69	229.28	239.17	220.98
	0.015		0.015	0.004	0.005	0.077	0.032	0.016	0.077		0.062	
STA AV	0.036	0.033	0.039	0.061		0.097	0.043	0.037				
							0.043		22000			3.04

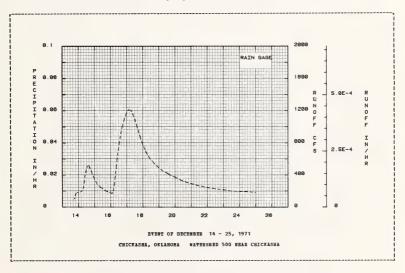
HOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.000008599. To convert discharge in inches to AC-FT, multiply by 230,667. STA AV based on 8 yr (1964-71) record period.

ARTECE	DENT COMDIT	TORS		RA	IBPALL			RUNCI	p p	
Date Ho-Day	Rainfall	Runoff (inches)	No-Day	Time	Intensity (in/hr)		Date Bo-Day	Time of Day	Rate	Acc. (inches)
			EVE	T OF DEC	EEBER 14 -	25, 1971				
12-14		0.001					12-14	1700	101.350	0.0
								1830	115,550	0.0001
								1918	155.810	0.0001
								2030	176.770	0.0002
								2200	183.900	0.0003
	CONDITIONS:							2400	183,740	0.0004
	ot included eds as deter						12-15	300	191. 390	0.0004
	eas as deter ised 1971 st						12-15	530	205.860	0.0008
	-1, this pub							700	237.390	0.0009
	owed crop -							830	308.820	0.0003
	2%; alfalfa							030	300.020	0.0010
: pastur	e and range	-						1000	400.378	0.0012
%; and m	iscellaneous	3 -						1130	466.550	0.0014
%								1300	507.208	0.0017
								1430	517.240	0.0020
								1600	511.050	0.0023
								1730	482.520	0.0026
								2030	416.040	0.0031
								2400	343.628	0.0036
							12-16	400	287.030	0.0041
								900	246.510	0.0046
								1600	207.870	0.0052
								2400	177.170	0.0058
							12-17	100	173.180	0.0059
								200	173.830	0.0060
								300	179.750	0.0061
								400	205.650	0.0062
								530	283.908	0.0063
								700	391.020	0.0065
								830	505.658	0.0067
								1000	617,408	0.0070

MOTES: To convert runoff in CFS to IB/HB, multiply by 0.0000003583. We precipitation record is shown because most of the watershed lies outside of the area in which precipitation is measured.

SEI	ECTED RUNO								00 BEAR CHI	
	ENT COMDIT				MPALL			RUNG		100
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc.	Date Bo-Day	Time of Day	Rate (cfs)	Acc. (inches)
	(Inches)	(10000)								
			PERM OF	DECEMBED	14 - 25,	1971 (CO)	TT NUED)			
			PART OF	DECEMBER	14 25,	1371 (00.				
							12-17	1130	717.378	0.0074
								1330	826.148	0.0080
								1600	952.698	0.0088
								1830	1034.878	0.0097
								2100	1110.068	0.0107
								2400	1175.110	0.0119
							12-18	218	1206-698	0.0129
								330	1213.490	0.0134
								518	1209.308	0.0142
								700	1190.809	0.0149
								911	1155.599	0.0158
								1200	1090.559	0.0169
								1600	985.550	0.0184
								2000	877.778	0.0197
								2400	776.378	0.0209
							12-19	500	682.469	0.0222
								1100	599.458	0.0236
								1800	536.760	0.0250
								2400	488.550	0.0261
							12-20	600	448.290	0.0271
								1200	424.658	0.0280
								1800	395.520	0.0289
										0.0289
							40.04	2400 800	372.810 339.648	0.0297
							12-21		313.020	0.0307
								1600	313.020	0.0310
								2400	292.270	0.0325
							12-22	800	273.719	0.0333
								1600	260.448	0.0341
								2400	242.790	0.0348
							12-23	1200	228.710	0.0358
								2400	214.180	0.0368
							12-24	1200	199.650	0.0377
								2400	195.215	0.0385
							12-25	1200	190.780	0.0393
								2400	182,140	0.0401

NOTES: To convert runoff in CFS to IN/HB, multiply by 0.0000003583. Bo precipitation record is shown because most of the watershed lies outside of the area in which precipitation is measured.



CHICKASHA, OKLAHOMA WATERSHED 700 NEAR ALEX

LOCATION: Washita River Watershed above Alex, Okla.; Southwest Central Oklahoma and Texas Panhandle; in Grady, Caddo, Canadian, Klowa, Washita, Custer, Beckham and Roger Bills Counties, Okla.; and Bemphill, Wheeler, and Gray Counties, Ter.; Washita River, Bed Fiver Rasin. SacING STATION-#91/4 Sec. 7, T. 5 N., E. 5 N., Lad Age, 55 min., long. 97 deg. 46 min., 1 mile morth of Alex, Okla.; at county road bridge over Washita River at river mile 226.5 approximately 3.8 miles downstream from confidence of Winter Creek.

AREA: 3061120.00 acres 4783.00 sq. miles

HO	NTHLY	PRECIPI	HOLTET	AND I	UNOFF	(inche:	3)		CHICKA	SHA, O	KLAHOH	NA:	CERSHED	700 NE	AR ALBX		
		Jan	Feb	Ħa		Apr	Hay	Jun	Jul	Au	g :	Sep	Oct	Nov	Dec	1	nnual
1971	P Q	0.56 0.019	1.82	0.0		0.54 0.006	4.49 0.006	3.73 0.096	2.29 0.02			5.34 0.079	5.07 0.105	0.58			1.70 0.525
STA AV	P Q	1.21	1.44	1. 9		2.52 0.073	4.39 0.138	2.28 0.146	2.06 0.04			. 33). 091	1.84 0.083	1.77 0.08			7.52 0.898
	DHHA	AL HAXIE		HARG	(in/	hr) And							SELECTE		INTERV	ALS	
		Discha Date F	rge		Nol.		Fours	6 H	vol.	12 H	vol.	1	Day Vol.		ws.		Wol.
1971		10-3 (.003	10- 3	0.00	3 10- 3	0.005	10- 3	0.015	10- 3	0.029	10- 3	0.046	10- 2	0.056	9-27	0.087
						1	AXINUM:	FOR PI	BEIOD O	P RECO	RD						
		5-7 0 1969	.003	5- 7 1969	0.00	3 5- 7 1969	0.006	9-20 1962	0.019	9-20 1962	0.035	5- 7 1969	0.064	5- 6 1969	0.114	5- 5 1969	0.336

HOTES: For the revised watershed conditions, see table below. For map of watershed, see Sydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA, Aisc. Pub. 1216, p. 65.7-21. Precipitation records began Oct. 1961; Bunoff records began Sept. 1961. STA W (P) values are a Thiesean weight average of 21 gages for 1963-69 and for 77 gages for 1970-71 on the reach from Tabler to Alex., Okla., for a total period of record (1963-771). For long-time precipitation records, see Bational Weather Service records at Chickaga, Okla.

Revised Watershed Conditions Land Use Inventory 1971 Survey

	Perc	ent Cultivation	In	Percent	Percent
Watershed Number	Sowed Crop	Row Crop	Alfalfa	Pasture and Range	Hiscellaneous 1/
110	30	5	11	29	25
111	16	3	2	73	6
121	10	12	4	56	18
131	15	5	2	67	11
141	7	- 6	5	65	17
100-200 2/	26	4	9	48	13
311	36	1	3	49	11
411	30	2	9	48	11
200-500 2/	36	2	7	44	11
511	22	3	5	61	9
512	8	ō	3	81	8
513	4	Ö	1	90	5
522	15	1	3	65	16
500-600 2/	23	4	10	51	12
611	3		2	95	
612			3	97	
621	9	1	2	77	11
600-700 2/	14	5	9	65	7

1/ Miscellaneous category includes dense timber with little or no forage growth, farmsteads, stomp lots, farm ponds, detention reservoirs, creeks, farm roads, private roads, highways, urban developments, and rocks.

2/ Ungaged area between river gaging stations.

197	1 DA	ILY	AIR T	EMPE	RATUE	E (d	egree	s P)				CHI			KLAHO			RSBB	D 700	NEA	R ALE	x		
Day	Ja:		Pe max		Ha wax	r	nax	r	Ħa	y	Jt	ın	Ju man		Au max		Se max		0c max		No max		De max	
1	56	29	38	22	49	33	66	30	84	44	86	62	n e	69	80	60	89	66	82	69	75	46	39	34
2	57	41	91	27	32	24	67	26	74	52	89	65	90	67	86	54	88	66	84	64	70	38	37	33
3	60	25	54	37	43	20	76	42	70	50	82	64	97	70	88	59	91	71	68	56	61	35	38	33
5	26 29	18	57	18	56 73	27	54 57	29 25	85 92	50 65	85 89	70 70	98 101	78 76	89 86	60 64	92 94	74 68	77 81	53 52	68 72	36 49	38 41	34 37
5	29	17	56	12	13	40	5/	25	92	65	89	/0	101	/6	86	64	94	66	81	52	12	49	41	37
6	30	14	33	24	50	30	60	26	85	57	92	69	102	74	72	66	98	72	79	53	54	31	40	35
7	32	17	27	14	49	28	72	20	81	52	92	60	101	72	86	66	97	71	77	50	55	25	54	35
8	42	18	41	7	66	27	82	47	74	48	80	64	96	72	82	67	94	69	70	50	52	37	47	37
9	51	22	44	11	59	34	73	46	65	56	88	64	97	76	89	66	95	70	66	45	61	32	40	36
10	53	23	62	26	68	26	82	46	82	62	88	65	100	74	92	67	93	64	75	39	69	32	53	31
11	50	26	57	38	70	40	83	46	72	54	89	65	100	75	93	68	95	62	84	46	77	35	56	30
12	30	27	48	27	76	39	90	60	67	46	90	66	101	76	88	66	92	54	82	53	76	9.1	45	28
13	53	28	52	18	86	37	72	42	72	40	86	70	102	78	78	68	97	54	75	56	77	54	51	26
14	42	26	56	33	78	42	72	28	78	40	90	68	103	76	78	69	96	60	78	49	76	58	69	40
15	49	22	66	22	65	34	84	47	82	44	90	66	104	75	77	70	87	63	81	58	71	62	55	35
16	54	26	71	40	62	36	75	60	92	52	90	67	98	73	88	68	81	56	85	65	65	61	50	34
17	59	27	70	30	73	30	74	56	90	67	88	68	104	74	90	69	68	51	74	65	69	51	54	30
18	42	25	68	50	62	36	78	56	89	54	96	72	104	76	88	69	53	50	72	60	50	31	51	27
19	32	18 25	61	43	58	30	84 80	56	76	42	92	70	87	72	87 88	69 68	57 70	45	76 60	53 52	54	27	62	35
20	56		49	32	60	18		50	82		88	66	88	67							71	29	68	30
21	57	33	36	23	74	46	92	50	84	56	83	68	93	57	91	72	72	45	68	48	57	37	52	30
22	59	30	35	23	56	36	82	58	82	70	90	66	88	72	95	74	68	52	65	49	42	33	47	28
23	46 57	22	52	24	52	30	64	42	86	72	91	70 70	80	70 67	95 83	72	61	56 58	67	48	40 54	34	66	39
24 25	66	24	62 68	28 50	43 58	32	78 88	32 56	81 91	51 51	95	70	88 95	67	88	69 66	63 79	62	72 75	52	51	34	62 68	40
25	00	23	00	50	30	30	90	36	91	31	37	70	90	67	00	0.0	19	0.2	75	52	31	34	60	40
26	50	30	56	34	65	30	90	59	92	60	96	72	81	69	91	63	85	70	70	55	58	35	66	53
27	50	22	55	29	90	50	75	53	76	60	94	72	91	68	92	65	86	72	75	52	59	28	67	30
28	63	23	54	34	66	51	68	42	78	59	91	70	85	64	93	65	82	71	76	50	51	37	48	28
29 30	73 57	33			64 80	40	59 70	52 50	68 76	60	91 94	68 72	84 80	61 57	84 86	65 62	84 83	70 69	75 69	55 46	41 38	33 35	61 54	42 37
31	38	22			82	54	/0	50	88	60	94	12	83	54	90	63	0.3	09	69	36	30	35	52	31
λγ.	49	25	52		63	35	75	44		54		68	94	70	87	66	93	62	74	52		38	53	34
BEAN	36.			- 1		. 1		7		. 4		3.7		. 1		5.5		. 4		- 4		.5		5
STA AV	48		52		60	36		49		57		67		71		68	83		73			37	52	

NOTES: Data recorded at CBS location station. AV and STA AV are rounded to the mearest degree. Mean rounded to the tenth of a degree. STA AV based on records from Sept. 1962 through Dec. 1971. For Chickasha Experiment Station Evaporation Data, see National Weather Service Climatological Data for Oklahoma.

1971 DAILY PRECIPITATION (inches)							CKASHA, OF	KLAHOHA	WATERSHE	ATERSHED 700 HEAR ALEX			
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	0.0	0.0	0.0	0.0	0.01	0.0	0.34	0.0	0.0	0.0	0.01	0.04	
2	0.06	0.0	0.06	0.0	0.0	0.35	0.01	0.0	0.0	3.11	0.0	0.59	
3	0.50	0.0	0.0	0.0	0.01	0.49	0.0	0.0	0.0	0.15	0.0	0.09	
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.06	0.0	0.0	0.0	
7	0.0	0.01	0.0	0.0	0.0	0.40	0.0	0.02	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.82	0.0	0.09	0.0	0.44	
9	0.0	0.0	0.0	0.0	0.70	0.38	0.04	0.0	0.02	0.0	0.0	0.18	
10	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.08	0.0	0.0	0.0	0.18	
11	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.19	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.44	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.05	0.0	0.0	0.0	1.00	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.03	0.0	0.0	0.01	0.0	1.25	0.03	0.06	0.0	
18	0.0	0.41	0.0	0.0	0.10	0.0	0.0	0.0	1.75	0.37	0.0	0.0	
19	0.0	0.0	0.0	0.10	0.0	0.0	0.01	0.0	0.09	0.60	0.0	0.0	
20	0.0	0.01	0.0	0.05	0.0	0.57	0.0	0.0	0.0	0.08	0.0	0.0	
21	0.0	1.32	0.0	0.0	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.04	0.0	0.0	0.20	0.0	0.01	0.0	0.42	0.0	
23	0.0	0.0	0.0	0.0	0.72	0.0	0.88	0.01	0.28	0.0	0.02	0.0	
24	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.02	1.79	0.0	0.0	0.0	
25	0.0	0.01	0.03	0.0	0.0	0.0	0.0	0.04	0.07	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.07	0.77	0.0	0.01	0.0	0.0	0.58	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.01	0.0	0.02	0.0	0.0	0.79	0.01	0.0	0.0	0.0	0.0	
29	0.0		0.0	0.07	0.02	0.02	0.0	0.15	0.0	0.03	0.0	0.30	
30	0.0		0.0	0.0	0.35	0.06	0.0	0.0	0.0	0.03	0.07	0.0	
31	0.0		0.0		1.59		0.0	0.0		0.0		0.0	
TOTAL	0.56	1.82	0.09	0.54	4.49	3.73	2.29	4.22	5.34	5.07	0.58	2.97	
STA AV	1.21	1.44	1.55	2.52	4.39	2.28	2.06	3.06	4.33	1.84	1.77	1.07	

HOTES: STA AV (P) values are a Thiessem weighted average of 21 gages for 1963-69 and for 77 gages for 1970-71.

STA AV based on 9 yr for total period of record (1963-71).

197	1	BBAN DAIL	DISCHARG	E (cfs)		CHI	CKASHA, O	KLAHOHA	WATERSHE	D 700 NEA	R ALEX	
Da y	Jan	Peb	Mar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Hov	Dec
1	64.1	71.6	91.7	38.4	23.9	1227.8	33.8	98.3	24.1	336.2	698.6	105.8
2	64.9	69.8	90.3	34.7	17.8	728.3	35.0	66.7	149.9	260.0	1577.4	111.9
3	102.3	71.6	93.0	33.0	16.8	1937.8	44.9	66.5	113.3	5857.5	886.1	126.5
4	85.5	74.4	106.2	29.3	21.0	1268.5	473.3	54.4	84.6	1312.8	499.9	135.4
5	67.3	75.1	110.4	28.7	17.6	398.5	617.6	44.8	55.3	809.6	351.4	136.9
6	60.6	71.8	103.7	28.4	13.9	204.4	674.4	44.8	43.1	931.6	293.8	138.7
7	59.4	68.4	95.1	26.0	12.3	116.6	389.1	34.4	35.3	486.4	262.9	136.7
8	60.1	55. 9	89.4	23.3	11.7	1253.6	189.0	33.1	26.5	336.6	230.7	137.0
9	61.0	51.9	88.1	22.5	16.4	598.7	125.5	98.3	146.6	262.2	204.0	179.5
10	62.9	55.4	84.9	22.4	26.0	281.7	92.2	77.8	229.3	219.7	186.5	194.9
11	75.1	80.0	80.7	22.3	27.4	212.6	70.7	45.2	140.3	188_4	172.2	169.4
12	111.0	89.8	78.4	20.9	20.3	523.0	58.0	35.7	105.5	169.9	159.1	146.6
13	111.6	82.6	77.8	18.5	15.9	485.4	39.1	37.3	93.7	151.0	148.9	130.7
14	97.6	78.5	75.9	18.2	12.5	409.3	26.6	388.9	84.1	135.7	139.9	293.1
15	90.7	72.6	75.0	16.9	10.0	393.9	18.4	392.3	70.5	126.4	133.8	749.6
16	83.8	73.3	75.1	15.8	6.9	382.8	10.4	294.9	61.8	119.6	130.4	551.3
17	82.7	74.0	71.3	19.3	5.0	265.0	4.2	205.9	51.4	111.2	127.1	414.2
18	82.3	77.4	66.1	21.4	4.6	155.7	2.0	128.6	563.3	114.3	122.2	1118.0
19	78.9	100.7	61.4	21.5	3.3	117.1	2.3	88.0	246.2	115.0	119.9	816.9
20	74.6	92.8	59.7	23.2	2.9	96.7	2.1	130.2	108.1	173.1	116.2	538.7
21	75.5	169.7	61.5	25.9	2.5	252.3	1.7	90.8	506.6	124.9	113.4	411.5
22	75.7	277.7	61.3	23.4	2.4	548.0	1.7	64.5	830.0	98.0	112.9	331.6
23	74-6	159.6	61.6	19.8	7.6	157.9	6.9	53.0	484.7	89.3	118.5	279.7
24	73.1	123.2	60.1	20.6	21.3	84.4	11.7	45.5	595.6	88.4	122.2	249.8
25	74.3	111.6	58.1	20.9	12.6	58.9	29.6	43.5	1369.8	113.7	119.8	221.9
26	73.5	107.3	56.2	20,1	5_4	47.0	21.7	36.8	502.5	126.7	113.4	204.2
27	72.5	100.6	54.5	22.3	64.6	42.2	7.7	30.3	944.2	152.4	108.5	187.2
28	77.0	91.5	53.9	27.2	210.8	39.7	50.2	23.0	1250.9	142.5	107.5	176.3
28	75.9	21.0	51.6	27.2	55.4	37.9	108.3	22.6	818.2	125.7	105.4	173.2
30	74.8		49.3	23.0	21.6	35.7	91.6	24.8	473.8	107.1	105.4	184.7
31	74.3		44.3	23.0	20.0	33.7	86.1	26.5	7,3.0	99.6	10341	90.7
EAN	7733	93.89	73.77	23.84	22.92	412.04	107.29	91.21	340_30	435.00	256.26	285.25
NCHES	0.019	0.020	0.018	0.006	0.006	0.096	0.026	0.022	0.079	0.105	0.060	0.069
TA AV	0.019	0.020	0.018	0.006	0.006	0.096	0.026	0.022	0.079	0.083	0.080	0.069
TA AV	0.047	0.043	0.050	0.073	0.138	0.146	0.048	0.039	0.091	0.083	0.085	0.05

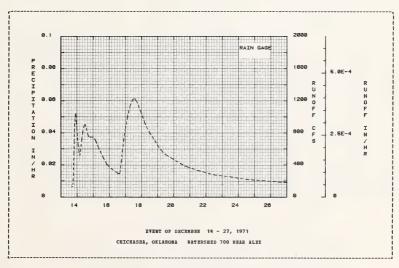
HOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.000007776. To convert discharge in inches to AC-FT, multiply by 255,093. STA AV based on 11 yr (1961-71) record period.

ANTECEDENT CONDITIONS			CHICKASHA, OKLAR				RUNOPP			
Date Rainfall R		Runoff	Date	Time	Intensity	Acc.	Date	Time Bate		Acc.
Mo-Day	(inches)	(inches)	Mo-Day	of Day	(in/hr)	(inches)	Mo-Day	of Day	(cfs)	(inches)
			EVE	T OF DEC	EMBER 14 -	27, 1971				
12-14		0.001					12-14	1600	130.500	
								1700	135.300	
								1730	161.100	
								1800	177.200	0.0
								1830	279.398	0.0
	CONDITIONS: se of this							1853	399.698	0.0
	tershed is							1918	549-100	0.0001
le mre wer	seasonally.	Por						1941	694.398	0.0002
	tershed cond							2000	823.398	0.0003
e p. 69.		17 (1010)						2100	945.098	
blication	- 1 CDIS							2100	3438070	0.0000
								2130	1022.600	0.0008
								2148	1041.198	0.0009
								2211	1026.498	0.0010
								2230	985.598	0.0011
								2311	909.898	0.0013
								2400	825.198	0.0015
							12-15	130	656,000	0.0019
								300	554.100	0.0022
								400	524.100	0.0024
								430	540.000	0.0025
								530	601.398	0.0027
								700	720.300	0.0030
								900	833.698	0.0035
								1100	901.300	0.0041
								1200	905.898	0.0044
								1300	885,498	0.0047
								1530	797.698	0.0054
								1730	751.800	
								1900	748,000	0.0063
								2400	747.100	0.0075
							12-16	400	700.000	
								900	595.500	
								1500	491.800 412.398	
								2000		

NOTES: To convert runoff in CFS to IN/HB, multiply by 0.000003240. No precipitation record is shown because most of the watershed lies outside of the area in which precipitation is measured.

Date	NHT COMPLIT Rainfall (inches)	Runoff	Mo-Day	Time of Day	NPALL Intensity (in/hr)	(inches)	Ho-Day	of Day 600 1200 1400	Rate (cfs)	0.0124 0.0130 0.0132
		(inches)	Mo-Day	of Day	(in/hr)	(inches)	HO-Day	of Day 600 1200 1400	333.398 300.300	0.0124 0.0130
			EVENT OF	DECEMBER	14 - 27,	1971 (CO		1200 1400	300.300	0.0130
			EVENT OF	DECEMBER	14 - 27,	1971 (CO		1200 1400	300.300	0.0130
							12-17	1200 1400	300.300	0.0130
								1400		
									289.198	0 0133
								1530	292.000	0.0133
								1630	336.198	0.0134
								1800	445.898	0.0136
								1930	573.300	0.0138
								2130	704.500	0.0142
								2400	850.898	0.0148
							12-18	300	993.898	0.0157
								700	1138.799	0.0171
								1100	1215.598	0.0186
								1300	1226.398	0.0194
								1430	1222.099	0.0200
								1800	1170.998	0.0214
								2400	1036.798	0.0235
							12-19	600	900.498	0.0254
								1200	801.799	0.0271
								1800	726.398	0.0286
								2400	641.100	0.0299
							12-20	800	555.600	0.0315
								1600	506.198	0.0329
								2400	467.600	0.0342
							12-21	1030	416.698	0.0357
								1800	381.898	0.0367
								2400	364.198	0.0374
							12-22	1200	329.600	0.0387
								2400	302.948	0.0399
							12-23	1200	276.300	0.0410
								2400	263.350	0.0420
							12-24	1200	250.400	0.0430
								2400	235. 200	0.0439
							12-25	1200	220.000	0.0448
								2400	212.300	0.0456
							12-26	1200	204.600	0.0464
								2400	195.400	0.0472
							12-27	1200	186.200	0.0479

HOTES: To convert runoff in CFS to IM/ME, multiply by 0.0000003240. We precipitation record is shown because most of the watershed lies outside of the area in which precipitation is measured.



CHICKASHA, OKLAHOMA WATERSHED 611 MEAR ALEX

LOCATION: Big Dry Creek Watershed above State Boad 19 bridge in Grady County, Okla.; tributary to Washita Biver; Red Biver Basin.

ARPA: 4845.00 acres 7.57 sq. miles

	DELUE	FEBLLIE	TIMITOR	OROZ GRA	FF (inche:	-) 		CHICKRODE	, OKLAHOR	IA WA	LERSHED -	611 NEAR	arra	
		Jan	Feb	Har	Apr	Вау	Jun	Jul	Aug	Sep	Oct	ROA	Dec	Annual
1971	P Q	0.50 0.050	1.86	0.10 0.064	0.46 0.050	4.10 0.052	3.80 0.068	1.56 0.003	5.25 0.135	5.14 0.144	4.37 0.372	0.53 0.057	3.24 0.276	30.91 1.351
TA AV	P Q	1.00 0.072	1.28 0.087	1.54	2.27 0.138	3.87 0.256	2.75 0.190	1.84 0.061		4.51 0.244	1.92 0.088	1.94 0.079	1.13	26.77 1.432
	ABBU	Maxi	B08				daxinum	Volume fo	r Selecte	d Time	Interva	1	NTERVALS	
	ABBU		mum arge	1 Hour	2			Volume fo		d Time			rs 6	Days
1971	ABB0	Maxi Disch Date	mum arge	1 Hour	2 l. Date	Hours Vol.	daximum 6 Ho Date	Volume fours 1	r Selecte 2 Hours te Vol.	d Time 1 Date	Interva Day Vol.	l 2 Day Date V	rs 6	e Vol.
1971	ANNU	Maxi Disch Date	mum arge Rate	1 Hour	2 1. Date	Hours Vol.	Saximum 6 Ho Date	Volume fours 1	r Selecte 2 Hours te Vol.	d Time 1 Date	Interva Day Vol.	l 2 Day Date V	s E	e Vol.

NOTES: Watershed conditions: From a revised 1971 survey (p. 69.007-1, this publication); sowed crop - 3%; alfalfa - 2%; pasture and range - 95%. For maps of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, pp. 69.8-5 (Topography), 69.7-9 (Geologic) and 1965, p. 69.7-21 (Composite). Frecipitation data Obtained from Thiessem weighted average of 7 gages. Precipitation records began Dec. 1961. For long-time precipitation records, see Mational Weather Service at Chickasha, 08la.

19	71 D	AILY PREC	IPITATION	(inches)		CHI	CRASHA, O	KLAHONA	WATERSHEI	611 NEA	RALEX	
Day	Jan	Feb	Bar	Apr	Нау	Jun	Jul	Aug	Sep	Oct	BOA	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.05
2	0.08	0.0	0.06	0.0	0.0	0.15	0.0	0.0	0.0	2.05	0.0	0.62
3	0.42	0.0	0.0	0.0	0.0	0.54	0.0	0.0	0.0	0.24	0.0	0.15
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.57	0.0	0.10	0.0	0.38
ig.	0.0	0.0	0.0	0.0	0.60	0.49	0.0	0.0	0.01	0.0	0.0	0.18
10	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.07	0.0	0.0	0.0	0.21
11	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.68	0.0	0.06	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.77	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.66	0.0	0.0	0.0	1.14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.99	0.02	0.03	0.0
18	0.0	0.21	0.0	0.0	0.10	0.0	0.0	0.0	1.62	0.33	0.0	0.0
19	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.10	0.99	0.0	0.0
20	0.0	0.0	0.0	0.09	0.0	0.32	0.0	0.0	0.0	0.09	0.0	0.0
21	0.0	1.60	0.0	0.0	0.0	0.69	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05	0.0	0.0	0.13	0.0	0.01	0.0	0.41	0.0
23	0.0	0.0	0.0	0.0	0.82	0.0	0.73	0.0	0.33	0.0	0.03	0.0
24	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	1.96	0.0	0.0	0.0
25	0.0	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.53	0.0	0.0
27	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0-0	0.02	0.0	0_01	0.0	0.0	0.59	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.11	0.03	0.0	0.0	0.13	0.0	0.0	0.0	0.35
30	0.0		0.0	0.0	0.33	0.53	0.0	0.0	0.0	0.02	0.06	0.0
31	0.0		0.0		1.24		0.0	0.0		0.0		0.0
TOTAL	0.50	1.86	0.10	0.46	4.10	3.80	1.56	5.25	5.14	4.37	0.53	3.24
STA AV	1.00	1.28	1.54	2.27	3.87	2.75	1.84	2.74	4.51	1.92	1.94	1.13

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Daily pracipitation values Thiessen weighted average of 7 rain gages on the watershed. STA AV based on 11 yr (1961-71) record period.

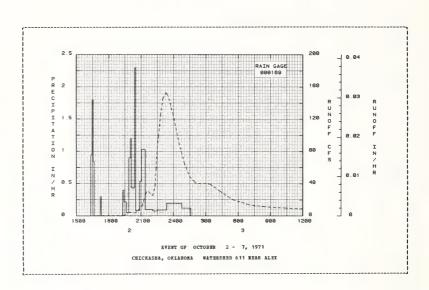
197	71	MEAN DAIL	T DISCHAR	SE (cfs)		CRI	CKASHA, C	KLAHOSA	WATERSHE	D 611 NEA	R ALEX	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Ho∀	Dec
1	0.305	0.274	0.480	0.345	0.296	3.466	0.326	0.0	0.031	0.204	0.474	0.357
2	0.380	0.274	0.480	0.340	0.269	0.247	0.081	0.0	0.030	10.780	0.430	0.475
3	0.605	0.301	0.480	0.340	0.235	3.026 0.257	0.051	0.0	0.029	18.423 7.095	0.392	0.561
5	0.346	0.330	0.480	0.340	0.230	0.257	0.031	0.0	0.021	5.680	0.417	0.536
5	0.274	0.305	0.474	0.340	0.226	0. 156	0.022	0.0	0.020	3.000	0.300	0.517
6	0.274	0.291	0.430	0.345	0.200	0.121	0.026	0.746	0.020	4.327	0.380	0.431
7	0.296	0.239	0.392	0.375	0.174	0.100	0.011	0.142	0.020	3.314	0.380	0.351
8	0.305	0.239	0.424	0.375	0.191	0.082	0.001	0.334	0.020	2.635	0.380	0.576
9	0.335	0.296	0.430	0.345	0.319	0.567	0.0	0.296	0.020	1.859	0.386	0.736
10	0.340	0.340	0.430	0.340	0.335	0.185	0.0	0.022	0.019	1.416	0.424	1.756
11	0.340	0.370	0.430	0.340	0.296	0.237	0.0	0.019	0.011	1.144	0.430	0.734
12	0.340	0.340	0.430	0.335	0.235	2.389	0.0	0.011	0.009	0.972	0.424	0.457
13	0.340	0.310	0.430	0.305	0.200	0.254	0.0	0.110	0.002	0.831	0.386	0.386
14	0.335	0.335	0.430	0.305	0.171	0.197	0.0	13,990	0.007	0.709	0.380	15.516
15	0.310	0.340	0.430	0.340	0.149	0.152	0.0	10.179	0.001	0.640	0.380	7.564
16	0.335	0.340	0.430	0.381	0.121	0.121	0.0	0.479	0.002	0.581	0.380	4.497
17	0.340	0.345	0.424	0.417	0.102	0.099	0.0	0.281	0.050	0.557	0.380	3.559
18	0.335	0.375	0.381	0.386	0.100	0.074	0.0	0.156	2.681	0.649	0.380	2.557
19	0.305	0.375	0.350	0.380	0.097	0.071	0.0	0.087	0.156	1.421	0.380	1.754
20	0.300	0.345	0.381	0.375	0.081	0.096	0.0	0.069	0.059	3.743	0.380	1.329
21	0.300	5.244	0.417	0.345	0.072	1.236	0.0	0.052	0.050	1.169	0.380	1.141
22	0.300	1.124	0.386	0.340	0.079	0.176	0.0	0.049	0.050	0.920	0.386	1.050
23	0.300	0.796	0.380	0.335	0.552	0.109	0.0	0.042	0.062	0.822	0.412	0.980
24	0.300	0.752	0.386	0.305	0.257	0.096	0.0	0.049	19.310	0.709	0.351	0.970
25	0.300	0.700	0.424	0.300	0.115	0.074	0.0	0.050	3.515	0.632	0.345	0.970
26	0.300	0.634	0.430	0.300	0.162	0.067	0.0	0.049	1.597	0.755	0.370	0.970
27	0.305	0.537	0.430	0.296	0.396	0.052	0.0	0.041	0.626	1.261	0.350	0.961
28	0.335	0.486	0.424	0.277	0.206	0.052	0.0	0.040	0.359	0.707	0.370	0.926
29	0.340		0.386	0.296	0.162	0.065	0.0	0.040	0.296	0.640	0.345	1.260
30	0.335		0.380	0.300	0.257	0.057	0.0	0.040	0.235	0.575	0.340	1.656
31	0.301		0.375		4.250		0.0	0.039		0.492		0.587
EAR	0.3276	0.5942	0.4205	0.3382	0.3400	0.4629	0.0178	0.8843	0.9770	2.4408	0.3867	1.810
CEES	0.050	0.082	0.064	0.050	0.052	0.068	0.003	0.135	0.144	0.372	0.057	0.27
VA AT	0.072	0.087	0.097	0.138	0.256	0.190	0.061	0.039	0.244	0.088	0.079	0.08

NOTES: To convert runoff in CFS to IN/DAY, multiply by 0.004913. STA AV based on 11 yr (1961-1971) record period.

ANTECEDENT COND.	ITIONS		RAI	BPALL			RUNO	PP	
Date Rainfall Bo-Day (inches)	Runoff (inches)		Time of Day	Intensity (in/hr)		Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
					2 4024				
		EAR		OBER 2 -	7, 1971				
RG 000169			RG 0001						
10-2 0.0	0.001	10- 2	1620	0.0	0.0	10- 2	1630	0.200	0.0
			1627	0.9428	0.11		1641	0.340	0.0
			1633	1.8002	0.29		1736	0.430	0.0001
			1638	0.8399	0.36		1923	0.380	0.0002
			1713	0.0	0.36		1953	4.090	0.0004
ATERSHED CONDITIONS									
om a revised 1971 :			1719	0.3000	0.39		2023	3.580	0.0008
. 69.007-1, this p	ıbli-		1919	0.0	0.39		2036	5.050	0.0010
tion); sowed crop			1925	0.4000	0.43		2106	12.420	0.0019
; alfalfa - 2%; pa:	sture		1939	0.2143	0.48		2118	21.530	0.0026
1 range - 95%.			1952	0.0462	0.49		2130	30.100	0.0037
			2000	0.8999	0.61		2141	30.100	0.0048
			2006	1-2001	0.73		2206	25.070	0.0072
			2024	0.4333	0.86		2218	37-690	0.0085
			2030	2-2999	1.09		2223	58.640	0.0093
			2052	0.0818	1.12		2230	84.240	0.0110
			2102	0-5400	1.21		2236	99.170	0.0128
			2123	1.0286	1.57		2248	125.040	0.0174
			2206	0.0977	1.64		2300	145.320	0.0230
			2230	0.0750	1.67		2318	153,010	0.0321
			2322	0.0923	1.75		2330	148.360	0.0384
		10- 3	47	0.1976	2.03		2400	123.660	0.0523
			137	0.1200	2.13	10- 3	30	90.950	0.0633
							100	65.930	0.0713
							130	48.640	0.0772
							206	40.450	0.0826
							318	39.750	0.0924
							336	37.690	0.0948
							430	28.930	0.1010
							530	20.110	0.1060
							706	13.490	0.1115

ANTECED										
					BFALL			RUFOF		
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	OCTOBER	2 - 7,	1971 (CO	ETINUED)			
							10- 3	836	11.080	0.1153
								1036	9.520	0.1195
								1336	8.660	0.1251
								1900	8.380	0.1345
								2400	7.840	0.1428
							10- 4	1200	7.080	0.1611
								2400	6.380	0.1776
							10- 5	1200	5.680	0.1924
								2400	4.980	0.2055
							10- 6	1200	4.280	0.2169
								2400	3.770	0.2268
							10- 7	1200	3.260	0.2354

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.0002047.



CHICKASHA, OKLAHOHA WATERSHED 612 HEAR ALEX

LOCATION: Little Dry Creek Watershed above State Road 19 bridge in Grady County, Okla.; tributary to Big Dry Creek, Washita River; Red River Basin. GAGING STATION-HW1/A sec. 33, T. 6 M., R. 6 W., lat. 53 deg. 57 min., long. 97 deg. 51 min., 5 miles Northwest of late, Okla.; on state road 19 bridge over Little Dry Creek.

AREA: 563.00 acres

80	BIHL	PRECIP	TIMITON	WWD ROM	OFF (inche	s)		CBICKASBA,	OUTTROOP	A WAT	PERSHED	0 12 NE	ac ALE		
		Jan	Feb	Bar	Apr	May	Jun	Jul 1	lug	Sep	0ct	No₹	Dec	;	Annual
	P	0.38	1.73	0.08	0.50	4.33	3.39			5.20	4.56	0.51	3.2	0	31.47
1971	Q	0.0	0.040	0.000	0.0	0.073	0.051	0.001	476	0.224	0.239	0.0	0.1	23	1.227
VA AT	P	0.97	1.24	1.48	2.53	3.78	2.76	2.03 2	. 80	4.53	1.92	1.86	1.1	10	27.00
	0	0.087	0.064	0.061	0.163	0.123	0.203	0.082	. 056	0.198	0.044	0.02	7 0.1	13	1.222
	ANHU			HARGE (in/hr) AND								INTERV	ALS	
	ANHO	Maxin	 	HARGE (Volume for		d Time					Days
	ANNO	Maxi	nom arge		r 2	н	aximum	Volume for urs 12	Selecte	d Time	Interva	1	 ays	8	Days Vol.
1971	ANNO	Maxi	arge Rate	1 Hou Date V	r 2	Hours Vol.	aximum 6 Ho Date	Volume for urs 12 Vol. Date	Selecte Hours Vol.	d Time 1 Date	Interval Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.
1971	ABBC	Maxi Disch Date	arge Rate	1 Hou Date V	r 2 ol. Date	Hours Vol.	aximum 6 Ho Date 8-14	Volume for urs 12 Vol. Date	Selecte Hours Vol.	d Time 1 Date	Interval Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.

NOTES: Materishe conditions: You a revised 1971 survey (p. 65.007-1, this publication); alkinfa 3%, pasture and the state of the conditions of the conditions of the condition o

1971	· D	AILY PREC	IPITATION	(inches)		CBI	CKASHA, O	KLAHOHA	WATERSHE	D 612 NEA	R ALEX	
Da y	Jan	Feb	Mar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Fov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.05
2	0.08	0.0	0.05	0.0	0.0	0.13 0.57	0.0	0.0	0.0	2.38 0.27	0.0	0.56
3 B	0.30	0.0	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.27	0.0	0.14
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.39	0.0	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.58	0.0	0.08	0.01	0.35
9	0.0	0.0	0.0	0.0	0.65	0.49	0.03	0.0	0.0	0.0	0.0	0.20
10	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.01	0.0	0.0	0.0	0.21
11	0.0	0.0	0_0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.01	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.50	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.51	0.0	0.0	0.0	1.14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	1.00	0.01	0.02	0.0
18 19	0.0	0.18	0.0	0.0	0.11	0.0	0.0	0.0	1.60	0.40	0.0	0.0
20	0.0	0.0	0.0	0.03	0.0	0.0 0.28	0.0	0.0	0.10	0.86 0.06	0.0	0.0
21	0.0	1.48	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.03	0.0	0.0	0.11	0.0	0.0	0.0	0.40	0.0
23	0.0	0.0	0.0	0.0	0.89	0.0	0.63	0.0	0.31	0.0	0.02	0.0
24	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	2.04	0.0	0.0	0.0
25	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0	0.0	0.48	0.0	0.0
27	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.0	0.0	0.0	0.69	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.16	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.38
30 31	0.0		0.0	0.0	0.33 1.27	0.06	0.0	0.0	0.0	0.02 0.0	0.06	0.0
TOTAL	0.38	1.73	0.08	0.50	4.33	3.39	1.57	6.02	5.20	4.56	0.51	3.20
STA AV	0.97	1.24	1.48	2.53	3,78	2.76	2.03	2.80	4.53	1.92	1.86	1.10

MOTES: For daily air temperatures in the vicinity, see table for Matershed M-700, (69.007) of this publication. Precipitation values are a Thiessen weighted average of 2 rain gages on the watershed. STA AV-based on 11 yr (1961-71) record period.

197	1	MEAN DAIL	T DISCHAR	SE (cfs)		CHI	CKASHA, O	KLAHOMA	WATERSHE	0 612 NEA	RALEX	
Day	Jan	Peb	Mar	Apr	Bay	Jun	Jul	Aug	Sep	0ct	No₹	Dec
1	0.0	0.0	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.412	0.0	0.0
3	0.0	0.0	0-001	0.0	0.0	0.808	0.0	0.0	0.0	0.690	0.0	0.0
ŭ.	0.0	0.0	0.007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1-224	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.322	0.0	0.0	0.0	0.05
9	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29
11	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0_0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.320	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.272	0.0	0.0	0.0	2.47
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.451	0.0	0.0	0.0	0.00
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.036	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.480	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.056	0.0	0.0
21	0.0	0.724	0.0	0.0	0.0	0.046	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.724	0.0	0.0	0.0	0.046	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.059	0.0	0.0	0.024	0.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	0.079	0.0	0.0	0.024	0.0	0.0	0.0	4.259	0.0		0.0
25	0.0		0.0								0.0	0.0
25	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.001	0.0	0.0	0.007	0.0	0.0	0.0	0.0	0.019	0.0	0.0
27	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.018	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
31	0.0		0.0		1.683		0.0	0.0		0.0		0.0
EAN		0.0334		0.0	0.0553	0.0401	0.0006	0.3635	0.1765	0.1825		0.09
BCHES					0.073				0.224	0.239	0.0	0.1
TA AV	0.087	0.064	0.061	0.163	0.123	0.203	0.082	0.056	0.198	0.044	0.027	0.1

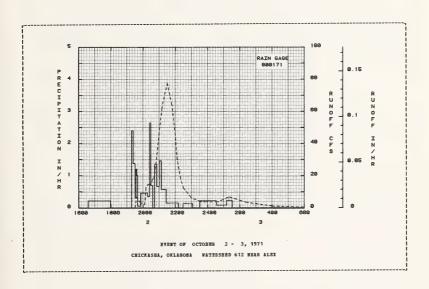
HOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.04228. To convert discharge in inches to AC-FT, multiply by 46.92. STA AV based on 11 yr (1961-71) record period.

1 SEL	ECTED RUNO	FF EVENT			CHICKA	SHA, OKLAR	TORA WA	LENZHED 6.	2 BEAR ALE	X
	ENT CONDI				MPALL			RUHOL		
Date Mo-Day	Rainfall (inches)	Runoff (inches)			Intensity (in/hr)			Time of Day	Rate (cfs)	Acc. (inches)
			EVE	NT OF OCT	OBBR 2 -	3, 1971				
Re	G 000171			RG 0001	71					
10- 2	0.0	0.0	10- 2	1635	0.0	0.0	10- 2	1930	0.0	0.0
				1758	0.2169	0.30		1936	6.830	0.0006
				19.17	0.0	0.30		1948	3.370	0.0024
				1923	2.3999	0.54		2006	1.850	0.0038
				1930	1.3714	0.70		2011	12.650	0.0048
	CONDITIONS:									
om a revis	sed 1971 st	iraea		1934	0.3000	0.72		2018	14.470	0.0076
. 69.007-	1, this pul	oli-		1937	1.2003	0.78		2030	14.850	0.0128
tion): als	falfa - 3%:	and		1940	0.9999	0.83		2036	18.120	0.0156
	range ~ 9			1952	0.0500	0.84		2041	18.120	0.0182
				2017	0.4560	1.03		2053	34.670	0.0276
				2024	0.3429	1.07		2100	47.060	0.0360
				2029	2.6402	1.29		2111	63.200	0.0534
				2036	0.6857	1.37		2130	77.610	0.0931
				2043	0.0	1.37		2148	63.200	0.1299
				2051	1.3500	1.55		2200	44.970	0.1493
				2101	0.6600	1.66		2206	31.370	0.1559
				2108	1.4571	1.83		2218	19.220	0.1648
				2126	0.5667	2.00		2230	12.300	0.1704
				2212	0.1435	2.11		2300	6.150	0.1785
				2229	0.0	2.11		2336	3.680	0.1837
				2304	0.1371	2.19		2400	3.680	0.1863
				2332	0.0	2.19	10- 3	41	3.680	0.1907
			10-3	33	0.2164	2.41		100	5.300	0.1932
				111	0.0789	2.46		118	6.600	0.1963
				132	0.2286	2.54		123	6.600	0.1973
								200	4.540	0.2034
								223	3.370	0.2061
								400	0.930	0.2122
								636	0.210	0.2148
								900	0.050	0.2154

NOTES: To convert runoff in CFS to IN/HB, multiply by 0.001762.

1971 SELECTED RUBOFF EVENT		HICKASHA, OKLA	HOMA WATERSHEI	612 BEAR A	LEX
AFTECEDENT CONDITIONS Date Rainfall Eunoff Date No-Day (inches) (inches) Ho-Da			Date Time		Acc. (inches)
EAENJ	OF OCTOBER 2	- 3, 1971 (CO	NTINUEO)		
			112	0.0	0.2155

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.001762.



CHICKASHA, OKLAHOMA WATERSHED 111 MEAR AMADARKO

LOCATION: Tonkawa Creek Watershed above County road South of Amadarko in Caddo County, Okla.; tributary to Washita River; Red River Basin. GACING STATION-WWI/W sec. 30, T. 7 M., R. 10 W., lat. 35 deg. 03 wim., long. 98 deg. 15 min., 2 miles South of Amadarko, Okla., on upstream side of section line road bridge.

ARBA: 16634.00 acres 26.00 sq. miles

80	BTHL	PERCIE	HOLTATION	AND RUNO	FF (inche	s) 		CHICKASH	A, OKLAHO	BA WAS	EBBSHBD	111 NEA	E ANADA	RKO	
		Jan	Peb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Noa	Dec	An	nual
1971	P Q	0.89	1.25	0.05 0.010	0.38 0.007	5.07 0.083	2.90 0.025	2.19 0.0	5.47 0.018	5.02 0.007	4.25 0.020	0.71	2.57 0.05		.75 .271
TA AV	P Q	0.65 0.072	1.04	1.33 0.089	2.46 0.134	3.78 0.165	2.97 0.064	1.87 0.032	2.74 0.016	4.09 0.047	1.80 0.028	1.83	0.92		.48
		Maxi	nun				aximus	Volume f		ted Time	Interva	1			
			arge		2		aximus	Volume f	or Select	ted Time		1	ys		
1971		Maxi Disch	aum arge Bate	1 Hour Date Vo	2	Hours Vol.	aximum 6 Ho Date	Volume for vol. D	or Select 12 Hours ate Vol.	ted Time 1	Interva Day	1 2 Da Date	ys Vol.	8 Da	Vol.
1971		Maxi Disch Date	aum arge Bate	1 Hour Date Vo	2 1. Date 022 5-31	Hours Vol.	6 Ho Date 5-31	Volume for vol. D	or Select 12 Hours ate Vol.	ted Time 1	Interva Day Vol.	1 2 Da Date	ys Vol.	8 Da Date	¥o1.

NOTES: Watershed conditions: From a revised 1971 servey (p. 69.007-1, this publication); good crop - 655; row crop - 35; and faifs - 25; pasture and range - 735; and wiscolianeous - 63. For sape of watershed, see Hydriologic Data for Experimental Acticultural Watersheds in the United States, 1965, USDA Misc. Pab. 1216, p. 69.7-21 and 1962, USDA Misc. Pab. 1216, p. 69.7-21 and 1962. For long-time precipitation for the watershed. Precipitation records began Data 1961; Tumoff records began June 1962. For long-time precipitation records, see Matinand Weather Service records at Chicksaba, Other Services and Pab. 1962.

1971	DI	ILY PREC	IPITATION	(inches)		CHI	CKASHA, OI	CLAHOHA	WATERSHE	111 NEA	RABADARK)
Day	Jan	Feb	Mar	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.02	0.0	0.12	0.0	0.0	0.0	0.0	0.0
2	0.11	0.0	0.05	0.0	0.0	0.0	0.02	0.0	0.0	1.59	0.0	0.5
3	0.78	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0_0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.05	0.0	0.0	1.67	0.0	0.04	0.0	0.1
9	0.0	0.0	0.0	0.0	0.76	0.60	0.0	0.0	0.0	0.0	0.0	0.1
10	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.03	0.0	0.0	0.0	0.1
11	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.13	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.16	0.0	0.0	0.0	1.1
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.07	0.0	0.0	0.17	0.0	1,11	0.12	0.04	0.0
18	0.0	0.25	0.0	0.0	0.09	0.0	0.0	0.0	1.54	0.69	0.0	0.0
19	0.0	0.0	0_0	0.20	0.0	0.0	0.01	0.0	0.04	0.21	0.0	0.0
20	0.0	0.03	0.0	0.02	0.0	0.38	0.0	0.0	0.0	0.03	0.0	0.0
21	0.0	0.92	0.0	0.0	0.0	0.93	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.02	0.0	0.0	0.19	0.04	0.0	0.0	0.59	0.0
23	0.0	0.0	0.0	0.0	0.48	0.0	0.46	0.0	0.19	0.0	0.01	0.0
24	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.02	1.71	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	1.18	0.0	0.0
27	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.01	0.0	0.02	0_0	0.0	1.22	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.02	0.01	0.0	0.0	0.84	0.0	0.29	0.0	0.2
30	0.0		0.0	00	0.48	0.39	0.0	0.0	0.0	0.10	0.07	0.0
31	0.0		0.0		2.27		0.0	0.0		0.0		0.0
TAL	0.89	1.25	0.05	0.38	5.07	2.90	2.19	5.47	5.02	4.25	0.71	2.5
A AV	0.65	1.04	1.33	2.46	3.78	2.97	1.87	2.74	4.09	1.80	1.83	0.9

HOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessem weighted average of 6 raim gages on the watershed. STA AV based on 11 yr (1961-71) record period.

19	71	BEAN DAIL				CHI	CKASHA, C	OKLAHOHA	WATERSHE	D 111 NEAR	AHADARKO	
Da y	Jan	Peb	Bar	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.140	0.216	0.320	0.216		11.570	0.0	0.0	0.002	0.100	0.460	0.380
2	0.236	0.224	0.320	0.194	0.096	1.925	0.0	0.0	0.0	1.324	0.367	0.579
3	0.740	0.250	0.320	0.190	0.075	0.674	0.0	0.0	0.0	1.854	0.325	0.866
4	0.381	0.272	0.320	0.190	0.085	0.409	0.0	0.0	0.0	0.442	0.320	0.949
5	0.232	0.254	0.315	0.194	0.069	0.259	0.0	0.0	0.0	0.266	0.315	1.210
6	0.220	0.254	0.285	0.216	0.044	0.164	. 0.0	0.0	0.0	0.224	0.281	1.37
7	0.220	0.269	0.276	0.220	0.040	0.106	0.0	0.0	0.0	0.216	0.262	1.113
8	0.220	0.227	0.250	0.220	0.066	0.107	0.0	0.0	0.0	0.194	0.311	0.94
9	0.224	0.220	0.224	0.216	0.216	0.194	0.0	0.0	0.0	0.186	0.320	1.020
10	0.246	0.227	0.220	0.194	0.186	0.167	0.0	0.0	0.0	0.164	0.320	1.25
11	0.254	0.272	0.220	0.190	0.107	0.251	0.0	0.0	0.0	0.157	0.320	1.20
12	0.276	0.280	0.224	0.179	0.072	0.190	0.0	0.0	0.0	0.136	0.320	1.00
13	0.280	0.276	0.246	0.110	0.060	0.110	0.0	0.0	0.0	0.097	0.320	0.85
14	0.280	0.254	0.242	0.092	0.049	0.089	0.0	9.897	0.0	0.099	0.325	3.58
15	0.276	0.259	0.191	0.104	0.031	0.071	0.0	0.849	0.0	0.102	0.361	5.30
16	0.250	0.302	0.149	0.141	0.019	0.057	0.0	0.172	0.0	0.130	0.410	2.02
17	0.224	0.267	0.157	0.184	0.002	0.032	0.0	0.081	0.0	0.257	0.447	1.49
18	0.237	0.322	0.160	0.190	0.0	0.019	0.0	0.019	1.143	0.524	0.410	1.319
19	0.332	0.382	0.160	0.194	0.0	0.005	0.0	0.001	0.172	0.305	0.361	1.29
20	0.286	0.386	0.160	0.212	0.0	0.020	0.0	0.0	0.067	0.306	0.325	1.22
21	0.254	0.862	0.160	0.187	0.0	1.105	0.0	0.0	0.060	0.277	0.337	1. 129
22	0.250	0.647	0.164	0.146	0.0	0.175	0.0	0.0	0.060	0.231	0.471	0.95
23	0.250	0.517	0.194	0.140	0.0	0.065	0.0	0.0	0.075	0.246	0.661	1.00
24	0.250	0.697	0.242	0.140	0.0	0.022	0.0	0.0	1.352	0.246	0.681	1.07
25	0.242	0.579	0.250	0.137	0.0	0.002	0.0	0.0	1.142	0.239	0.621	1.09
26	0.194	0.497	0.246	0.120	0.002	0.0	0.0	0.0	0.407	1.146	0.561	1.09
27	0.164	0.374	0-224	0.101	0.022	0.0	0.0	0.0	0.209	1.786	0.510	1.11
28	0.160	0.325	0.220	0.091	0.050	0.0	0.0	0.0	0.126	0.647	0.454	0.96
29	0.160		0.220	0.091	0.040	0.0	0.0	1,267	0.102	0.576	0.367	1.102
30	0.164		0.220	0.106	0.145	0.0	0.0	0.095	0.100	0.657	0.330	1.320
31	0.190		0.220		56.516		0.0	0.022		0.564		0.659
EAN	0.2527	0.3542	0.2297	0.1636	1.8754	0.5930	0.0	0.4001	0.1673	0.4420	0.3959	1.306
CHES	0.011	0.014	0.010	0.007	0.083	0.025	0.0	0.018	0.007	0.020	0.017	0.05
VA AT	0.072	0.077	0.089	0.134	0.165	0.064	0.032	0.016	0.047	0.028	0.063	0.06

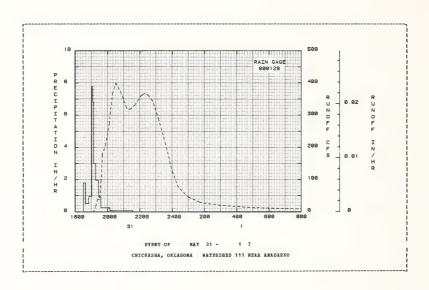
NOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.001431. To convert discharge in inches to AC-FT, multiply by 1,386. STA AV based on 10 yr (1962-71) record period.

	DITIONS		R A	IWFALL			RUNO	P	
Date Rainfal	l Runoff		Time	Intensity		Date	Time	Bate	Acc.
No-Day (inches	(inches)	Ho-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
		EVENT OF	HAY	31 -	1 7				
RG 000128			BG 000	128					
5-31 0.0	0.000	5-31	1830	0.0	0.0	5-31	1848	0.060	0.0
			1837	1.8002	0.21		1906	0.410	0.0
			1849	0.5000	0.31		1911	4.710	0.0
			1901	0.9500	0.50		1918	24.810	0.0001
ATERSHED CONDITIO	w.c.		1905	7.8001	1.02		1923	39.040	0.0003
om a revised 1971	survey		1908	6,7996	1.36		1930	36.660	0.0006
. 69.007-1, this			1915	3.0000	1.71		1936	100.930	0.0010
tion); sowed crop	- 16%;		1926	1.9638	2.07		1941	183.210	0.0017
w crop - 3%; alfa	lfa -		1935	0.9333	2.21		1953	207.410	0.0040
; pasture and rands; and miscellane			2008	0.2545	2.35		2006	273.428	0.0071
* and misceriane	ous		2133	0.0706	2.45		2018	367.168	0.0109
							2030	400.219	0.0155
							2048	372.148	0.0224
							2111	321.770	0.0303
							2123	317, 188	0.0341
							2141	331.050	0.0399
							2206	362.229	0.0485
							2218	367.168	0.0528
							2230	362.229	0.0572
							2248	342.849	0.0635
							2311	281.888	0.0706
							2336	207.410	0.0767
							2400	124.690	0.0807
						6- 1	23	75-290	0.0830
							100	45.000	0.0852
							148	27.520	0.0869
							300	19.450	0.0886
							430	13.890	0.0901
							600 800	10.700 8.450	0.0912 0.0923

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.00005962.

971 S	ELECTED BUNOS	F EVENT			CHICKA	SEA, OKLAE	OHA WA	TERSEED 11	1 BEAR ASA	DARKO ,
AHTEC	EDENT CONDIT	CIOBS		RAI	MFALL			RUNOP	P	
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date Bo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
		BAERL	OP HA	¥ 31 -	1 7					
							6- 1	1030	6.520	0.0934
								1300	5.750	0.0943
								1530	4.870	0.0951
								2100	3.930	0.0965
								2400	3.370	0.0972

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.00005962.



CHICKASHA, OKLAHOMA WATERSHED 131 MEAR ANADARKO

LOCATION: Delaware Creek Watershed above County road bridge East of Anadarko in Caddo County, Okla.; tributary to Washita Hiver; Red Hiver Basin. 68LTMS STM108-RW1/4 sec. 29, T. 7 M., R. 9 W., Lat 35 deg. 03 min., long. 96 deg. 10 min., 3 miles Zast and 1 mile South of Anadarko, Okla., at section line road bridge.

AREA: 25660.00 acres 40.10 sq. miles

HC	BTHL	PRECIP	ITATION	AND R	JHOPP (inches	5)		CHICKASE	A, OKLA	HOMA WA	TERSHED	131 BEA	R ANADARI	0
		Jan	Peb	Bar	Ap	r	Ba y	Jun	Ju1	Aug	Sep	Oct	Nov	Dec	Annual
	P	1.04	1.56	0.13		37	5.14	2.37	2.26	4.51	5.31	4.63	0.75	2.85	30.92
1971	Q	0.015	0.022	0.02	21 0.	011	0.078	0.094	0.002	0.016	0.018	0.153	0.036	0.122	0.586
STA AV	P	0.78	1.16	1.40		64	4.02	2.76	1.93	2.67	4.17	2.00	2.02	1.01	26.56
	Q	0.047	0.058	0.0	73 0.	103	0.146	0.039	0.004	0.004	0.014	0.023	0.028	0.043	0.582
		Haxi Disch		1 H	our	2 E	lours	aximus 6 Ho		or Sele	cted Time			ys	8 Days
		Date	Rate	Date	Vol.	Date	Vol.	Date	Vol. I	ate Vo	1. Date	Vol.	Date	Vol. Da	te Vol.
1971		6- 1	0.023	5-31	0.023	5-31	0.045	5-31	0.112 5	31 0.	138 5-31	0.147	5-31	0.153 5-	30 0.160
1971		6- 1	0.023	5-31	0.023				0.112 5		138 5-31	0.147	5-31	0.153 5-	30 0.160

norms: Watershed conditions: From a revised 1971 survey (p. 69.007-1, this publication); sowed crop - 15%; row crop - 5%; and sincellaneous - 118. For maps of vatershed, see synchologic bats for Experimental Agricultural Watersheds in the United States, 1962, USBA Bisc. Pub. 1070, p. 69.11-8 (Topography) and 1965, USBA Bisc. Pub. 1076, p. 69.7-21 (Composite). Precipitation data obtained from a Thesenewester averaged average of 10 gages on the watershed. Precipitation records began Oct. 1961; runoff records began Aug. 1962. For long-time precipitation records, see Wational Weather Service records at Chickasha, Okla.

1971	D	AILY PREC	IPITATION	(inches)		CHI	CKASHA, O	KLAHOMA	WATERSBEI	131 NEAE	RANADARKO)
Day	Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.01	0.0	0.23	0.0	0.0	0.0	0.0	0.07
2	0.09	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	2.78	0.0	0.63
3	0.95	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.01	0.0	0.13
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.04	0.0	0.0	1.50	0.0	0.05	0.0	0.29
9	0.0	0.0	0.0	0.0	0.73	0.49	0.0	0.0	0.0	0.0	0.0	0.14
10	0.0	0.0	0.0	0.0	0.01	0.29	0.0	0.02	0.0	0.0	0.0	0.13
11	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.11	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.22	0.0	0.0	0.0	1.11
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.07	0.0	0.0	0.06	0.0	1,16	0.01	0.11	0.0
18	0.0	0.32	0.0	0.0	0.10	0.0	0.0	0.0	1.68	0.46	0.0	0.0
19	0.0	0.0	0.0	0.11	0.0	0.0	0.05	0.0	0.05	0.33	0.0	0.0
20	0.0	0.01	0.0	0.04	0.0	0.45	0.0	0.0	0.0	0.06	0.0	0.0
21	0.0	1.17	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.03	0.0	0.0	0.18	0.0	0.0	0.0	0.56	0.0
23	0.0	0.0	0.0	0.0	0.54	0.0	0.86	0.0	0.27	0.0	0.02	0.0
24	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	1.98	0.0	0.0	0.0
25	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.70	0.0	0.0
27	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.01	0.0	0.02	0.0	0.0	0.88	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.01	0.02	0.0	0.0	0.42	0.0	0.18	0.0	0.20
30	0.0		0.0	0.0	0.47	0.14	0.0	0.0	0.0	0.05	0.06	0.0
31	0.0		0.0		2.41		0.0	0.0		0.0		0.0
OTAL	1.04	1.56	0.13	0.37	5.14	2.37	2.26	4.51	5.31	4.63	0.75	2.85
TA AT	0.78	1.16	1.40	2.64	4.02	2.76	1.93	2.67	4.17	2.00	2.02	1.01

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessen weighted average of 10 rain gages on the watershed. STA AV based on 11 yr (1961-71) record period.

197	11	HEAN DAIL	Y DISCHAR	SE (cfs)		CHI	CKASHA, O	KLAHOMA	WATERSHE	D 131 NEAE	ANADARKO	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Δug	Sep	0ct	Nov	Dec
1	0.265	0.395	1.040	0.461	0.201	79.746	0.0	0.0	0.0	0.120	1.517	1.687
2	0.335	0.464	0.944	0.425	0.150	5.727	0.0	0.0	0.0	24.156	1.324	2.29
3	2.766	0.562	0.742	0.415	0.104	3.085	0.0	0.0	0.0	83.785	1.151	3.185
4	0.537	0.589	0.906	0.390	0.077	1.929	0.0	0.0	0.0	7.667	1.051	3.610
5	0.400	0.445	1.145	0.420	0.044	1.260	0.0	0.0	0.0	4.405	0.970	4.73
6	0.276	0.420	0.924	0.455	0.029	0.832	0.0	0.0	0.0	3.217	0.891	4.63
7	0.234	0.420	0.837	0.455	0.012	0.532	0.0	0.0	0.0	2.617	0.847	3.574
8	0.230	0.420	0.872	0.415	0.010	0.396	0.0	3.546	0.0	2.335	0.951	3.405
9	0.272	0.445	0.829	0.350	0.777	2.076	0.0	0.455	0.0	1.992	0.970	4.662
10	0.527	0.620	0.820	0.340	0.824	1.042	0.0	0.0	0.0	1.576	0.980	5.185
11	0.562	0.770	0.820	0.335	0.252	1.344	0.0	0.0	0.0	1.421	1.040	4.094
12	0.525	0.631	0.820	0.300	0.082	0.870	0.0	0.0	0.0	1.310	1.050	3.340
13	0.562	0.545	0.802	0.265	0.045	0.527	0.0	0.0	0.0	1.151	1.050	3.00
14	0.551	0.651	0.676	0.275	0.045	0.344	0.0	12,107	0.0	1.061	1.061	9.89
15	0.450	0.627	0.552	0.375	0.022	0.206	0.0	0.884	0.0	1.050	1.117	16.94
16	0.499	0.606	0.651	0.495	0.010	0.116	0.0	0.107	0.0	1.050	1.072	6.48
17	0.510	0.562	0.614	0.757	0.001	0.069	0.0	0.012	0.0	1.139	1.164	4.61
18	0.494	0.832	0.512	0.690	0.0	0.024	0.0	0.0	6.049	1.656	1.339	4.05
19	0.401	1.102	0.442	0.635	0.0	0.002	0.0	0.0	0.332	1.730	1.096	3.946
20	0.426	0.711	0.512	0.640	0.0	0.042	0.0	0.0	0.052	2.090	1.050	3.590
21	0.499	2.684	0.600	0.442	0.0	0.284	0.0	0.0	0.002	1.687	1.096	3.302
22	0.504	0.975	0.576	0.345	0.0	0.227	0.0	0.0	0.0	1.435	1.577	3.112
23	0.472	1.046	0.576	0.305	0.0	0.105	0.284	0.0	0.0	1.321	2.716	3.269
24	0.504	1.967	0.630	0.291	0.072	0.020	0.406	0.0	7.597	1.230	2.109	3.28
25	0.499	1.952	0.725	0.235	0.0	0.001	0.0	0.0	2.762	1.129	1.791	3.20
26	0.431	1.447	0.689	0.197	0.0	0.0	0.0	0.0	0.826	1.499	1.731	3.26
27	0.431	1.096	0.680	0.151	0.257	0.0	0.0	0.0	0.567	3.736	1.559	3.14
28	0.499	1.050	0.672	0.126	0.114	0.0	0.960	0.0	0.325	1.837	1.516	2.87
29	0.510		0.621	0.196	0.027	0.0	0.019	0.0	0.229	2.092	1.434	3.13
30	0.499		0.569	0.245	0.269	0.0	0.0	0.0	0.155	2.077	1.447	3.79
31	0.426		0.511		80.668		0.0	0.0		1.689		1.73
BAN	0.5193	0.8585		0.3810	2.7127	3.3603	0.0538	0.5520	0.6300	5.3310	1.2890	4.227
CHES	0.015	0.022		0.011	0.078	0.094	0.002	0.016	0.018	0.153	0.036	0.12
CA AV	0.047	0.058	0.073	0.103	0.146	0.039	0.004	0.004	0.014	0.023	0.028	0.04

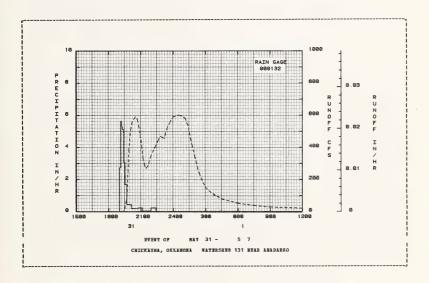
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.0009276. To convert discharge in inches to AC-FT, multiply by 2,138. STA AV based on 10 yr (1962-71) record period.

Date Rainfall Busoff Date Time Tates Tates Linches Ro-Day Graphy	ANTECEDENT CONDI				INPALL			RUNO	PP	
EVERT OF BAY 31 - 5 7 RG 000132 5-31 0.0 0.000 5-31 1900 0.0 0.0 5-31 1848 0.080 0.0 0.0 1917 1918 1.530 0.0 0.0 1917 1918 1.530 0.0 0.0 1918 1918 1.530 0.0 0.0 1918 1918 1.530 0.0 0.0 1918 1918 1.530 0.0 0.0 1918 1918 1.530 0.0 0.0 1918 1918 1.530 0.0 0.0 1918 1918 1.530 0.0 0.0 1918 1918 1.530 0.0 0.0 1918 1918 1.530 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0			Date			Acc.	Date	Time	Rate	Acc.
RG 000132 FG 000132 FG 000132 S-31 0.0 0.000 5-31 1800 0.0 0.0 5-31 1818 0.000 0.0 1810 0.0 0.0 1810 0.0 0.0 0.0 1810 0.0 0.0 0.0 1810 0.0 0.0 0.0 1810 0.0 0.0 0.0 0.0 1810 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Mo-Day (inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	No-Day	of Day	(cfs)	(inches)
5-31 0.0 0.000 5-31 1990 0.0 0.0 5-31 1888 0.0800 0.0 1930 2.74832 0.32 1911 0.230 0.00 0.0 1917 5.6383 0.79 1918 1.530 0.00 0.0 1917 5.6383 0.79 1918 1.530 0.00 0.0 1918 5.6383 0.79 1918 1.530 0.00 0.0 1918 5.6383 0.79 1918 5.6383 0.79 1918 5.6383 0.79 1918 5.6383 0.00 0.0 0.0 1918 5.6383 0.79 1918 5.6383 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0			EVENT OF	HAY	31 ~	5 7				
5-31 0.0 0.000 5-31 1990 0.0 0.0 5-31 1888 0.0800 0.0 1930 2.74832 0.32 1911 0.230 0.00 0.0 1917 5.6383 0.79 1918 1.530 0.00 0.0 1917 5.6383 0.79 1918 1.530 0.00 0.0 1918 5.6383 0.79 1918 1.530 0.00 0.0 1918 5.6383 0.79 1918 5.6383 0.79 1918 5.6383 0.79 1918 5.6383 0.00 0.0 0.0 1918 5.6383 0.79 1918 5.6383 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	PG 000132			RG 000	132					
1912 5.6393 0.79 1918 1.530 0.0 1917 5.2803 1.23 1923 5.639 0.0 1923 5.2803 1.23 1923 5.630 0.0 1923 5.9997 1.74 1930 5.630 0.0 1923 5.9997 1.74 1930 5.630 0.0 1924 5.6390 0.00 0.00 1925 5.6391 0.00 0.00 1926 1.6801 2.43 1941 80.390 0.00 1926 2.61 1948 80.390 0.00 1926 2.61 1948 80.390 0.00 1926 2.61 1948 2.62 2.000 0.00 1926 2.61 1948 2.0260 0.00 1927 2.61 1948 2.0260 0.00 1928 2.62 2.000 9.00 1928 2.62 2.000 9.00 1928 2.62 2.73 1951 381.428 0.00 1928 2.62 2.73 2.95 2.000 9.00 2.63 2.62 2.65 2.65 2.65 2.65 2.64 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.66 2.67 2.65 2.65 2.67 2.67 2.65 2.68 2.68 2.68 2.68 2.68 2.68 2.68 2.68 2.69 2.69 2.69 2.60 2.69 2.69 2.60 2.60 2.69 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60	5-31 0.0	0.000	5~31	1900	0.0	0.0	5-31	1848	0.080	0.0
1917 5.2803 1.23 1923 5.630 0.00 ATTERSHED CONDITIORS: 1923 5.0997 1.74 1930 19.090 0.00 ATTERSHED CONDITIORS: 1931 3.0750 2.15 1936 56.990 0.00 OR a revised 1971 surver 1931 3.0750 2.15 1936 56.990 0.00 OR a revised 1971 surver 1931 3.0750 2.15 1936 56.990 0.00 OR a revised 1971 surver 1931 3.0750 2.15 1936 56.990 0.00 OR a revised 1971 surver 1931 3.0750 2.15 1936 56.990 0.00 OR a revised 1971 surver 1931 3.0750 2.00 1931 351.28 0.00 For a revised 1971 surver 1931 3.0750 2.00 1931 351.28 0.00 For a revised 1971 surver 1931 3.0750 0.00 For a revised 1971 surve				1907	2.7432	0.32		1911	0.230	0.0
ATERSHED COBDITIONS: 1923 5.0997 1.78 1930 19.090 0.00				1912	5-6393	0.79		1918	1.530	0.0
ATBESHBU CORDITIONS: of a cretised 1971 survey 1931 3.0750 2.15 1936 56.940 0.00 on a cretised 1971 survey 1931 1.6801 2.43 1948 80.390 0.00 cf. (6).007-1, this publi- 1941 1.6801 2.43 1948 80.390 0.00 1940 0.055 2.73 1953 1953 1950 0.00 19 pasture and range - 107 0.2388 2.82 2000 490.428 0.00 19 pasture and range - 2155 0.0375 2.85 2006 527.850 0.00 19 pasture and range - 2223 0.2357 2.85 2006 527.850 0.00 2001 0.00 2008 0.00 2103 0.00 2103 0.00 2103 0.00 2103 0.00 2104 0.00 2105 0.00 2106 0.00 2107 0.00 2111 0.00 2111 0.00 2211				1917	5.2803	1-23		1923	5,630	0.0
on a revised 1971 surrey 1931 3.0750 2.15 1936 56.9400 0.00 6.9.007-1, this publi- 1941 1.6801 2.43 1941 80.390 0.00 tion); sowed crop - 15%; 2006 0.4320 2.61 1948 250.260 0.00 w crop - 5%; stlatiafa - 2044 0.1895 2.73 1953 381.428 0.00 1, pastere and range - 2107 0.2348 2.62 2006 952.7850 0.00 2, and siscellameous - 2155 0.0375 2.96 2011 563.010 0.00 2223 0.2357 2.96 2011 563.010 0.00 2008 52,108 0.00 2008 524.800 0.00 2011 23,080 0.00 2008 534.000 0.00 2012 2013 551.468 0.00 0.00 2014 240.000 2008 534.000 0.00 0.00 2015 2016 392.719 0.02				1923	5.0997	1.74		1930	19.090	0.0001
. 69,007-1, this publi- tion; sowed crop - 15%; 2006	TERSHED CONDITIONS	:								
	om a revised 1971 s	niaea		1931				1936		0.0002
w crop - 58; alfalfa - 2044 0.1895 2.73 1953 381.428 0.00 \$	69.007-1, this pu	bli-		1941						0.0004
; pasture and range - 2107 0.2348 2.82 2000 490.428 0.00	ion): sowed crop -	15%:		2006	0.4320			1948	250.260	0.0011
%1 and siscellaneous - 2155 0.0375 2.85 2006 527.850 0.00 8. 2223 0.2357 2.96 2011 563.010 0.01 2030 570.860 0.01 203 570.860 0.02 2048 33.180 0.02 2048 231.00 0.02 2110 444.260 0.02 2111 333.040 0.02 2111 333.040 0.02 2123 279.386 0.03 2123 279.208 0.03 2153 342.196 0.03 2131 342.196 0.03 2218 0.2490 0.03 2241 486.240 0.04 2248 486.250 0.04 2248 486.255 0.04 2248 486.250 0.04 2316 493.176 0.05 2316 493.176 0.05	crop - 5%; alfalf	a -		2044	0.1895			1953	381.428	0.0021
\$\frac{2155}{2223} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				2107	0.2348	2.82		2000	490.428	0.0041
2030 591,468 0 0.01 2048 570,090 0.10 2048 570,090 0.07 2048 2048 2048 205 0.02 2100 444,260 0.02 2106 392,719 0.02 2111 333,048 0.02 2111 2270,208 0.03 2121 282,770 0.02 2131 282,770 0.02 2141 282,770 0.03 21218 456,240 0.03 2248 468,350 0.05 2318 456,240 0.05 2318 456,240 0.05 2318 456,240 0.05		_		2155	0.0375	2.85		2006	527.850	0.0061
2030 591,468 0 0.01 2048 570,090 0.10 2048 570,090 0.07 2048 2048 2048 205 0.02 2100 444,260 0.02 2106 392,719 0.02 2111 333,048 0.02 2111 2270,208 0.03 2121 282,770 0.02 2131 282,770 0.02 2141 282,770 0.03 21218 456,240 0.03 2248 468,350 0.05 2318 456,240 0.05 2318 456,240 0.05 2318 456,240 0.05				2223	0.2357	2-96		2011	563,010	0.0079
2048 534,840 0.02 2100 444,260 0.02 2106 392,719 0.02 2116 392,719 0.02 2113 333,048 0.2 2130 271,208 0.2 2131 32,241 0.03 2141 286,770 0.03 218 402,490 0.04 2241 456,249 0.03 2218 406,359 0.05 2311 456,249 0.05 2311 456,240 0.05								2030	591.468	0.0150
2100 444,260 0.02 2100 332,719 0.02 2100 332,719 0.02 2123 272,388 0.03 2123 270,208 0.03 2130 270,208 0.03 2131 286,70 0.03 2153 382,198 0.03 2218 402,990 0.03 2248 468,550 0.05 2311 456,240 0.03 2318 493,178 0.05								2041	570.090	0.0191
2106 392,719 0.00 2111 333,000 0.02 2123 279,386 0.03 2130 270,208 0.03 2131 288,770 0.03 2141 288,770 0.03 2151 342,191 0.04 2151 8,62,90 0.04 2211 8,68,350 0.05 2218 408,350 0.05 2318 493,178 0.05 2318 493,178 0.05								2048	534.840	0.0216
2106 392,719 0.00 2111 333,000 0.02 2123 279,386 0.03 2130 270,208 0.03 2131 288,770 0.03 2141 288,770 0.03 2151 342,191 0.04 2151 8,62,90 0.04 2211 8,68,350 0.05 2218 408,350 0.05 2318 493,178 0.05 2318 493,178 0.05								2100	444-260	0.0254
2123 279.388 0.03 27130 270.208 0.03 2130 270.208 0.03 2141 288.770 0.03 2153 342.198 0.03 2219 402.490 0.03 2248 468.259 0.05 2248 468.559 0.05 2316 493.178 0.05										0.0270
2730 270.208 0.00								2111	333.040	0.0282
2730 270.208 0.00								2123	279.388	0.0306
2153 342.198 0.0 2218 402.490 0.0 2241 456.240 0.0 2248 468.550 0.0 2311 456.240 0.5 2318 493.178 0.0										0.0318
2153 342.198 0.0 2218 402.490 0.0 2241 456.240 0.0 2248 468.550 0.0 2311 456.240 0.5 2316 493.178 0.0								2141	288.770	0.0338
2241 456.240 0.06 2248 468.350 0.05 2311 456.240 0.05 2318 493.178 0.05								2153		0.0362
2241 456.240 0.06 2248 468.350 0.05 2311 456.240 0.05 2318 493.178 0.05										0.0422
2248 468.350 0.05 2311 456.240 0.05 2318 493.178 0.05										0.0486
2318 493.178 0.05										0.0507
										0.0575
								2318	493.178	0.0596
								2330	530.638	0.0636
								2348	570.090	0.0700

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.00003865.

ANTECRI	ENT COEDI	TTONS		RAI	MPALL			RUBOI		
Date Mo-Day	Rainfall (inches)	Runoff (inches)		Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		BVBNT	OP E	AT 31 -	5 7					
							6- 1	11	594.340	0.0787
								30	601.510	0.0860
								48	595.770	0.0929
								106	581.469	0.0997
								123	534.840	0.1058
								136	456.240	0.1099
								148	399.219	0.1132
								200	342.198	0.1161
								218	261.219	0.1196
								230	223.160	0.1215
								241	192.490	0.1230
								300	150.220	0.1251
								330	117.070	0.1277
								430	77.300	0.1315
								600	51.280	0.1352
								730	37.130	0.1378
								900	27.670	0.1397
								1200	20.200	0.1425
								1500	15.640	0.1446
								1900	11,200	0.1467
								2400	8.250	0.1486
							6-2	1200	5.280	0.1517
								2400	4.100	0.1539
							6-3	1200	2,920	0.1555
								2400	2.400	0.1567
							6- 4	1200	1.880	0.1577
								2400	1.555	0.1585
							6- 5	1200	1.230	0.1591
								2400	1.025	0.1596

HOTES: To convert runoff in CFS to IH/HR, multiply by 0.00003865.



CHICKASHA, OKLAHOHA WATERSHED 411 AT CHICKASHA

LOCATION: Line Creek Watershed above U.S. Highway 81 bridge at Chickasha, Grady and Caddo Counties, Okla.; tributary to Washita Hiver; Red Diver Basin. GAGING SIMINON-BEI/N sec. 29, T. 7 N., R. 7 N., Lat. 35 deg. 03 min., long. 97 deg. 58 min., Borthwest dego of Chickasha, Okla., at U.S. Highway 81 bridge.

AREA: 33300.00 acres 52.00 sq. miles

HO	NTHLY	PRECIP	TATION	AND	RUNOPP	(inches	s)		CHICKA	SHA, O	KLAHOH	A WAT	ERSHED	411 AT	CHICKA	SHA	
		Jan	Peb	Ħa:	r A	pr	Hay	Jun	Jul	Au	ıg :	Sep	0ct	Nov	Dec	A	nnual
1971	P Q	0.69 0.000	1.78 0.005	0.			4.70 0.014	2.98 0.170	2.49 0.02			5.00 0.034	4.18 0.601	0.56 0.01	2.8		9.38 0.904
STA AV	P Q	0.68 0.003	1.12 0.004	1. 0.			3.60 0.077	2.78 0.040	1.84 0.01			0.05 0.030	1.73 0.066	1.91 0.02	1.0 7 0.0		5.33 0.368
	NHN	AL MAXI		CHARG	B (in/h	r) AND									INTERV	ALS	
		Disch Date	arge		Hour Vol.		lours Vol.	axisus 6 Ho Date	nrs	12 B		1			ys Vol.		ays Vol.
1971		10- 3	0.036	10- 3	0.035	10- 3	0.068	10- 3	0.170	10- 3	0.301	10- 3	0.463	10- 2	0.552	10- 2	0.575
							RAXIBURS	FOR PE	RIOD O	P RECO	RD						
		8-28 1965	0.060	8-28 1965	0.053	8-28 1965	0.096	8-28 1965	0.204	10~ 3 1971	0.301	10- 3 1971	0.463	10- 2 1971	0.552	10- 2 1971	0.575

Length: Tatershed conditions: Tom a revised 1971 survey (P. 69:007-1, this publication); sowed crop = 30%; row = 30%; row

1971	Di	ILY PREC	PITATION	(inches)		CHI	CKASHA, OI	KLAHOHA	WATERSHE	D 411 AT (HICKASHA	
Day	Jan	Feb	Mar	Apr	May	Jun	Ju1	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.02	0.05
2	0.07	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	2.72	0.0	0.60
3	0.62	0.0	0.0	0.0	0.01	0.37	0.0	0.0	0.0	0.03	0.0	0.08
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 - 0	0.0	0.0	0.09
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.02	0.0	0.0	1.18	0.0	0.04	0.0	0.48
9	0.0	0.0	0.0	0.0	0.67	0.47	0.0	0.0	0.0	0.0	0.0	0.14
10	0.0	0.0	0.0	0.0	0.01	0.23	0.0	0.01	0.0	0.0	0.0	0.15
11	0.0	0_0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	00	0.0	0.21	0.0	0.12	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74	0.0	0.0	0.0	1.04
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	1.25	0.01	0.03	0.0
18	0.0	0.52	0.0	0.0	0.07	0.0	0.0	0.0	1.56	0.35	0.0	0.0
19	0.0	0.0	0.0	013	0.0	0.0	0.03	0.0	0.06	0.37	0.0	0.0
20	0.0	0.01	0.0	0.03	0.0	0.67	0.0	0.0	0.0	0.07	0.0	0.0
21	0.0	1.20	0.0	0.0	0.0	0.69	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.02	0.0	0.0	0-14	0.0	0.0	0.0	0.44	0.0
23	0.0	0.0	0.0	0.0	0.52	0.0	1.08	0.0	0.35	0.0	0.02	0.0
24	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	1.77	0.0	0.0	0.0
25	0.0	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
									0.0	0.51	0.0	0.0
26	0.0	0.0	0.0	0.01	0.59	0.0	0.0	0.0	0.0	0.51	0.0	0.0
27	0.0	0.0	0.0	0.0		0.0			0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.02	0.0	0.0	0.96	0.06	0.0	0.0	0.0	0.0
29	0.0		0.0	0.02	0.03	0.0	0.0	0.27		0.06	0.0	0.22
30	0.0		0.0	0.0	0.41	0.0	0.0	0.0	0.0	0.02	0.05	0.0
31	0.0		0.0		2.23		0.0	0.0		11.0		0.0
TOTAL	0.69	1.78	0.09	0.41	4.70	2.98	2.49	3.65	5.00	4.18	0.56	2.85
STA AV	0.68	1.12	1.35	2.56	3.60	2.78	1.84	2.70	4.05	1.73	1.91	1.00

BOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessen weighted average of 13 raim gages on the watershed. STA AV based on 11 yr (1961-7) record period.

1971	1	MEAN DAIL	Y DISCHARGE	(cfs)		CHIC	KASHA, OF	KLAHOHA	WATERSHE	D 411 AT C	BICKASHA	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	82.88	2.91	0.0	0.0	0.94	0.87	0.26
2	0.0	0.0	0.02	0.0	0.0	28.45	2.49	0.0	0.0	9.89	0.79	0.44
3	0.49	0.0	0.0	0.0	0.0	33.82	2.41	0.0	0.0	646.85	0.78	0.9
4	0.0	0.0	0.0	0.0	0.0	17.82	2.31	0.0	0.0	123.70	0.78	0.4
5	0.0	0.0	0.0	0.0	0.0	3.12	2. 19	0.0	0.0	13.66	0.77	0.39
6	0.0	0.0	0.0	0.0	0.0	3.77	2.01	0.01	0.0	5.34	0.73	0.2
7	0.0	0.0	0.0	0.0	0.0	5.45	1.89	0.0	0.0	2.92	0.69	0.2
8	0.0	0.0	0.0	0.0	0.0	3.67	1.73	6.19	0.0	2.17	0.69	2.32
9	0.0	0.0	0.0	0.0	1.41	3.81	1.61	2.15	0.0	1.91	0.72	1.5
10	0.0	0.0	0.0	0.0	0.18	3. 17	1.39	0.92	0.0	1.88	0.68	1.9
11	0.0	0.0	0.0	0.0	0.12	3.18	1.23	0.37	0.0	1.89	0.64	0.78
12	0.0	0.0	0.0	0.0	0.10	3.24	2.84	0.16	0.0	1.91	0.64	0.5
13	0.0	0.0	0.0	0.0	0.17	2.48	3,73	1.01	0.0	1.77	0.63	0.3
14	0.0	0.0	0.0	0.0	0.94	1.70	1.91	2.88	0.0	1.61	0.60	2.9
15	0.0	0.0	0.0	0.0	0.46	1.82	0.81	8.28	0.0	1.52	0.56	1.9
16	0.0	0.0	0.0	0.07	0.23	1.47	0.33	4.55	0.0	1.45	0.56	1.0
17	0.0	0.0	0.0	0.0 T	0.10	1.38	0.14	2.04	1.98	1.38	0.56	0.9
18	0.0	1.62	0.0	0.0	0.05	1.30	0.03	0.90	5.39	2.01	0.56	0.9
19	0.0	0.00	0.0	0.44	0.01	1.16	0.01	0.39	3.23	2.39	0.52	0.8
20	0.0	0.0	0.0	0.04	0.00	4.22	0.00	0.16	2.09	1.93	0.51	0.7
21	0.0	5.10	0.0	0.0	0.0	11.84	0.0	0.07	1.10	1.36	0.54	0.7
22	0.0	0.17	0.0	0.0	0.0	1.99	0.0	0.03	0.57	1.30	0.82	0.7
23	0.0	0.01	0.0	0.0	0.80	1.90	1.30	0.01	0.37	1.25	0.53	0.7
24	0.0	0.00	0.0	0.0	0.0	1.82	0.00	0.01	9.25	1.24	0.43	0.7
25	0.0	0.0	0.03	0.0	0.0	1.81	0.0	0.00	13.92	1.22	0.42	0.6
26	0.0	0.0	0.0	0.0	2.02	1.80	0.0	0.0	5.23	2.25	0.39	0.6
27	0.0	0.0	0.0	0.0	1.03	1.72	0.0	0.0	1.53	1.31	0.33	0.6
28	0.0	0.0	0.0	0.0	0.16	1.70	3.57	0.0	1.04	1.05	0.30	0.6
29	0.0		0.0	0.0	0.08	2.13	0.02	0.0	1.03	0.99	0.26	1.0
30	0.0		0.0	0.0	0.43	2.72	0.01	0.0	1.03	0.94	0.25	0.5
31	0.0		0.0		11.02		0.00	0.0		0.92		0.2
EAN	0.016	0.247	0.002	0.019	0.623	7.911	1.189	0.973	1.592	27.127	0.585	0.8
NCHES	0.000	0.005	0.000	0.000	0.014	0.170	0.026	0.022	0.034	0.601	0.013	0.0
TA AV	0.003	0.004	0.005	0.056	0.077	0.040	0.012	0.042	0.030	0.066	0.027	0.0

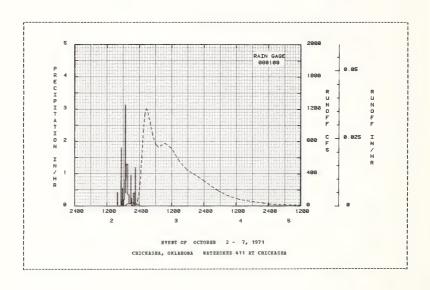
NOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.0007148. To convert discharge in inches to AC-FT, multiply by 2,775. STA AV based on 10 yr (1962-71) record period.

ABTECEDENT		TIONS		RAI	NPALL			BUNG	OPP	
	nfall ches)	Runoff (inches)			Intensity (in/hr)				Rate (cfs)	Acc. (inches)
			EAE	NT OF OCT	TOBER 2 -	7, 1971				
RG 00				RG 000						
10- 2	0.0	0.000	10- 2	1550	0.0	0.0	10- 2	1618	0.940	0.0
				1600	0.4200	0.07		1641	1.880	0.0
				1715	0.0	0.07		1723	2.130	0.0
				1719	0.7500	0.12		1736	5.030	0.0
				1721	1.8004	0.18		1800	9.020	0.0001
ATERSHED COND										
om a revised				1727	0.2000	0.20		1811	9-260	0.0001
. 69.007-1, t				1743	0.0	0.20		1853	7.230	0.0003
tion); sowed	crop -	30%;		1755	0.5500	0.31		1906	12.270	0.0004
w crop - 2%;				1820	0.0	0.31		1918	23.480	0.0005
; pasture and %; miscellane	range	17.		1829	0.2000	0.34		1941	28.080	0.0008
				1844	0.8000	0.54		2000	28.080	0.0011
				1853	3, 1331	1.01		2041	29,750	0.0017
				1859	0.7001	1.08		2118	42.720	0.0024
				1905	0.4000	1.12		2230	25.960	0.0036
				1914	0.8667	1.25		2248	25.960	0.0038
				1945	1-2967	1.92		2300	30.900	0.0040
				2016	0.3484	2.10		2323	62,140	0.0045
				2053	0.0649	2-14		2341	106.880	0.0052
				2058	0.9601	2.22		2400	174.880	0.0065
				2115	0.2471	2.29	10- 3	18	277.500	0.0085
				2139	0.0250	2.30		36	417.178	0.0116
				2151	0.0	2.30		100	635.560	0.0179
				2219	0.4071	2.49		130	925.320	0.0295
				2233	0.0	2.49		200	1130.938	0.0448
				2237	1.2000	2.57		236	1208.830	0.0656
			10- 3	2	0.0494	2 - 64		300	1185.080	0.0799
								400	1035.120	0.1130
								500	873.658	0.1414
								600	770.750	0.1659
								700	731.010	0.1883

NOTES: To convert runoff in CFS to IE/HE, multiply by 0.00002978.

ANTECRU	BHT CONDI	TIONS		RAT	NFALL			RUBO	79	
Date Bo-Day	Rainfall		Date No-Day	Time	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time	Rate (cfs)	Acc. (inches)
			EVENT OF	OCTOBER	2 - 7,	1971 (CO	TIBUED)			
							10- 3	930	776.560	0.2444
								1200	714-438	0.2999
								1500	549.350	0.3564
								1800	443.898	0.4008
								2200	360.438	0.4487
								2400	315.500	0.4688
							10- 4	300	242.870	0.4937
								600	178.930	0.5125
								930	121.690	0.5282
								1330	81.190	0.5403
								1800	55.670	0.5495
								2300	35.170	0.5563
								2400	28.080	0.5572
							10- 5	100	23.960	0.5580
								300	19.860	0.5593
								600	16.290	0.5609
								1200	12.270	0.5635
								2400	7.430	0.5670
							10- 6	1200	5.030	0.5692
								2400	3.865	0.5708
							10- 7	1200	2,700	0.5720
								2400	2.415	0.5729

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.00002978.



CHICKASHA, OKLAHOMA WATERSHED 511 WEAR TABLER

LOCATION: West Bitter Creek Watershed above U.S. Highway 62 bridge, East of Chickasha in Grady County, Okla.; tributary to Washita Birer; Red River Basin. GAGING STRITON-SWI/A sec. 29, I. 7 N., N. 6 W., Lat. 35 deg. 03 min., long. 97 deg. 51 min., 4 miles East of Chickasha, Okla., at U.S. highway 65 bridge.

AREA: 38020.00 acres 59.40 sq. miles

BC.	HTHL	PRECIP	HOLTATION	AND RUNO	PF (inche	s)		CHICKASHA,	OKLAHO	da wa:	PERSHED	511 BEAL	R TABLER	
		Jan	Peb	Har	Apr	Hay	Jun	Jul	∆ug	Sep	Oct	How	Dec	Annual
1971	P Q	0.66 0.019	2.01 0.059	0.05 0.020	0.87 0.019	4.14 0.015	5.96 0.857	2.34 0.023	2.49 0.013	4.83 0.152	5.19 0.894	0.46 0.023	2.85 0.155	31.85 2.249
STA AV	P Q	0.72 0.039	1.18		2.81 0.297	3.32 0.225	3.17 0.218	0.023	3.31 0.154	3.97 0.194	1.86 0.120			26.94 1.531
	ABRO	Maxi	um arge	1 Hour	2	Hours	Maximum 6 Ho	S OF RUNOF Volume for urs 12 Vol. Dat	Selecte	ed Time	Interva.	1 2 Day	ys 6	Days
1971	Date Bate Date Vol. 971 10-3 0.088 10-3 0.079 10-3 0.159 10-2 0.482 10-2 0.729 10-2 0.729 10-2 0.832 10-2 0.859 MAXIMUS FOR PERIOD OF ESCORD													
						uun anou-								

NOTES: Watershed conditions: From a revised 1971 survey (69.007-1, this publication); sowed crop - 22%; row crop - 3%; alfalfa - 5%; pasture and range - 61%; and miscellameous - 9%. For maps of watershed, see Mytologic Data for Experimental Agricultural Watersheds in the United States, 1955, USDA Misc. Pub. 1216, p. 69.13-11 (Copography) and p. 69.7-21 (Composite). Precipitation records began Oct. 1961; runoff records began Oct. 1962. For long-time precipitation records, see Mational Weather Service records at Chickasha, Okla.

1971	D.	AILY PREC	IPITATION	(inches)		CHI	CKASHA, O	KLAHOHA	WATERSHE	D 511 NBA	R TABLER	
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul	Àug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.02	0.0	0.75	0.0	0.0	0.0	0.03	0.04
2	0.08	0.0	0.03	0.0	0.0	0.89	0.0	0.0	0.0	3.51	0.0	0.51
3	0.58	0.0	0.0	0.0	0.02	1.16	0.0	0.0	0.0	0.04	0.0	0.09
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.11	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.0	1.79	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.66	0.0	0.08	0.01	0.57
9	0.0	0.0	0.0	0.0	0.62	0.28	0.14	0.0	0.0	0.0	0.0	0.09
10	0.0	0.0	0.0	0.0	0.02	0.29	0.0	0.0	0.0	0.0	0.0	0.18
11	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.15	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.25	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0	0.0	0.97
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	1.26	0.02	0.04	0.0
18	0.0	0.53	0.0	0.0	0.08	0.0	0.0	0.0	1.40	0.29	0.0	0.0
19	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.07	0.49	0.0	0.0
20	0.0	0.0	0.0	0.05	0.0	0.45	0.0	0.0	0.0	0.08	0.0	0.0
21	0.0	1.39	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.02	0.0	0.0	0.12	0.0	0.0	0.0	0.30	0.0
23	0.0	0.0	0.0	0.0	0.59	0.0	0.39	0.0	0.22	0.0	0.04	0.0
24	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.76	0.0	0.0	0.0
25	0.0	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
26	0.0	0.0	0.0	0.42	1.08	0.0	0.0	0.0	0.0	0.62	0.0	0.0
27	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.04	0.0	0.0	0.94	0.03	0.0	0.0	0.0	0.0
29 30	0.0		0.0	0.07	0.0	0.05	0.0	0.01	0.0	0.02	0.0	0.26
30 31	0.0		0.0	0.0	0.24	0.17	0.0	0.0	0.0	0.04	0.04	0.0
31	0.0		0.0		1.15		0.0	0.0		0.0		0.0
POTAL	0.66	2.01	0.05	0.87	4.14	5.96	2.34	2.49	4.83	5.19	0.46	2.85
STA AV	0.72	1.18	1.64	2.81	3.32	3.17	1.99	3.31	3.97	1.86	1.88	1.09

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessem weighted average of 15 rain gages on the watershed. STA AV based on 11 yr (1961-71) record period.

1971		MEAN DAILY				CBI	CKASHA, O	KLAHOBA	WATERSHE	D 511 NEAR	TABLER	
Day	Jan	Peb	Bar	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.94	0.76	1.41	0.59	0.81	113.01	3.02	0.02	0.0	0.18	1.16	1.2
2	1.11	0.75	1.54		0.60	5.03	25.53	0.00	0.0	325.27	1.08	1.7
3	1.74	0.78	1.50	0.58	0.47	491.05	3.47	0.0	0.0	968.32	1.06	2.7
4	1.14	0.98	1.55	0.60	0.44	36.91	1.01	0.0	0.0	42.97	1.02	2.7
5	0.79	1.06	1.48	0.63	0.38	10.53	0.48	0.0	0.0	14.11	1.06	2.4
6	0.75	1.03	1.37	0.64	0.33	4.61	0.21	0.0	0.0	7.70	1.05	2.3
7	0.77	0.79	1.16	0.64	0.27	2.62	0.10	0.0	0.0	5.14	0.96	2.0
8	0.93	0.76	1.04	0.65	0.23	516.61	0.04	0.0	0.0	3.99	1.01	4.4
9	1.07	0.86	1.13	0.69	0.52	62.65	0.02	0.0	0.0	6.61	1.13	21.7
10	1.21	0.94	1.16	0.74	1. 13	22.35	0.02	0.0	0.0	3.50	1.16	6.5
11	1.23	1.04	1.21	0.66	0.78	20.08	0.00	0.0	0.0	2.82	1.23	4.6
12	1.23	0.98	1.15	0.43	0.43	23.11	0.0	0.0	0.0	2.93	1.30	2.7
13	1.23	0.78	1.05	0.28	0.24	9.45	0.0	0.0	0.0	2.27	1.31	2.2
14	1.23	0.75	0.83	0.24	0.21	6.48	0.0	14.16	0.0	2.00	1.31	9.6
15	1.22	0.75	0.70	0.30	0.17	4.12	0.0	5.19	0.0	1.92	1.34	113.3
16	1.16	0.75	0.67	0.37	0.15	2.84	0.0	0.90	0.0	1.61	1.48	12.5
17	1.14	0.76	0.79	0.59	0.13	1.77	0.0	0.38	0.0	1.53	1.19	6.6
18	1.06	0.82	0.80	0.54	0.10	0.93	0.0	0.16	56.02	1.75	1.06	4.8
19	0.88	7.81	0.75	0.46	0.08	0.84	0.0	0.05	4.71	2.29	0.96	4.1
20	0.77	2.27	0.70	0.44	0.05	1.06	0.0	0.02	0.96	4.18	1.05	3.8
21	0.80	36.64	0.72	0.38	0.03	28.07	0.0	0.00	0.41	3.00	1.07	3.3
22	0.81	13.95	0.90	0.40	0.03	1.34	0.0	0.0	0.23	1.74	1,13	2.9
23	0.81	5.86	0.93	0.39	0.06	0.83	0.0	0.0	0.15	1.62	1.52	2.8
24	0.81	3.44	0.94	0.46	0.07	0.59	0.0	0.0	123.97	1.86	1.64	2.8
25	0.81	2.92	0.98	0.40	0.02	0.36	0.0	0.0	50.07	1.54	1.57	2.9
26	0.81	2.41	0.93	0.28	0.56	0.27	0.0	0.0	3.78	2.31	1.48	3.0
27	0.80	1.80	0.88	13.01	7.05	0.22	0.0	0.0	1.21	7.50	1.38	3.0
28	0.76	1.44	0.86	2.26	1.48	0.20	2.19	0.0	0.64	3.44	1.25	2.8
29	0.76		0.80	1.24	0.39	0.25	0.31	0.0	0.42	1.80	1.23	3.3
30	0.80		0.70	1.05	0.19	0.47	0.14	0.0	0.30	1.48	1.23	5.6
31	0.80		0.64		7.18		0.07	0.0		1.31		2.3
AR	0.980	3.353	1.009	1.016	0.793	45.621	1, 181	0.673	8.096	46.087	1.215	8.0
	0.019	0.059		0.019	0.015	0.857		0.013	0.152	0.894	0.023	0.1
A AV	0.039	0.046	0.080	0.297	0.225	0.218	0.023	0.154	0.194	0.120	0.079	0.0

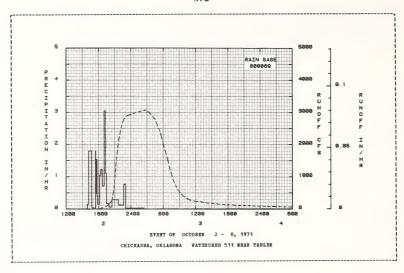
HOTES: To convert mean daily discharge in CFS to IH/DAT, multiply by 0.0006260. To convert discharge in inches to AC-FT, multiply by 3,168. STA AV based on 10 yr (1962-71) record period.

ANTECEDENT CONDIT	IONS		RAI	NPALL			RUNO		
Date Rainfall	Runoff								Acc.
No-Day (inches)	(inches)	Mo-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
		BAE	ST OF OCT	OBER 2 -	8, 1971				
RG 000069			BG 0000						
10-2 0.0	0.000	10- 2	1555	0.0	0.0	10- 2	1600	0.170	
			1611	0.1500	0.04		1730	0.150	
			1644	1.8000	1.03		1800	0.450	0.0
			1726	0.0286	1.05		1811	2.820	0.0
			1730	1.7996	1.17		1823	16.870	0.0001
WATERSHED CONDITIONS:									
com a revised 1971 sq			1735	0.4800	1.21		1848	41.170	0.0004
p. 69.007-1, this pub			1744	1.5334	1.44		1930	81.400	0.0015
ation); sowed crop - :			1750	0.4000	1.48		1948	129.900	0.0023
ow crop - 3%; alfalfa			1811	0.1429	1.53		2011	195.330	0.0039
4; pasture and range - 1%: and miscellaneous			1823	1.0499	1.74		2023	248.030	0.0051
K. and miscellaneous	-		1842	1,2316	2.13		2030	291.500	0.0059
			1903	0.7143	2.38		2036	357. 100	0.0067
			1915	3.0498	2.99		2041	437.070	0.0075
			1928	1-1077	3,23		2048	580.110	0.0091
			1957	0. 1655	3, 31		2053	729.898	0.0091
			1957	0. 1000	3.31		2055	729.090	0.0106
			2029	0.0563	3.34		2100	905.628	0.0131
			2141	0.2833	3.68		2106	1063-688	0.0156
			2242	0.1180	3.80		2111	1255.178	0.0181
			2303	0.7714	4.07		2118	1459.418	0.0222
		10- 3	228	0.0205	4.14		2123	1623.979	0.0257
							2130	1755.408	0.0309
							2136	1918-590	0.0356
							2141	2030-648	0-0398
							2148	2168,520	0.0462
							2200	2325.030	0.0581
							2206	2443.026	0-0642
							2206	2597-765	
							2218	2705.206	0.0773
							2248 2318	2820.887 2895.827	0.1127

NOTES: To convert runoff in CFS to IM/HE, multiply by 0.00002608.

	ECTED RUNO									
	ENT CONDIT			RAIN				RUBO		
Date Mo-Day	(inches)	(inches)	Date Mo-Day	of Day	(in/hr)	(inches)	Bo-Dav	of Day	Rate (cfs)	Acc.
			EVENT OF	OCTOBER	2 - 8,	1971 (CO	NTINUED)			
							10- 2	2400	2941.837	0.2035
							10- 3	130	3018.069	0.3201
							10- 3	230		0.3995
								248		0.4233
								330		0.4788
									23011300	0.4700
								430		0.5539
								500		0.5888
								523	2412.539	0.6137
								536	2295.158	0-6269
								548	2159.800	0.6385
								600	2022.148	0.6496
								611		0.6588
								623		0.6686
								636	1689, 168	0.6784
								648	1549.668	0.6868
								700	1410.229	0.6946
								706	1337.760	0.6981
								718	1208.969	0.7047 0.7108
								730	1089.938	0.7108
								741	999.229	0.7157
								753	889.388	0.7207
								806		0.7255
								818	743,010	0.7295
								830	662,188	0.7332
								848	573.330	0.7380
								906	510.550	0.7423
								930	434.050	0.7473
								1000	361.290	0.7525
								1030	309.688	
								1111		0.7620
								1200	232.610	0.7673
								1300	214.200	0.7673
								1430	173.630	0.7731
								1630	139.110	0.7889
								1930		0.7986
								2400		0.8099
							10- 4	300		0.8158
								600		0.8206
								900		0.8245
								1200	39,900	0.8279
								1800	26.910	0.8331
								2400		0.8368
							10- 5	1200	13.360	
							-	2400	9.260	
							10- 6	1200		0.8482
								2400	6.285	0.8504
							10- 7	1200	4.940	0.8522
							10- 7	2400	4.400	0.8537
							10-8	1200		0.8550

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.00002608.



CHICKASHA, OKLAHOMA WATERSHED 110 MEAR ANADARKO

LOCATION: Tonkawa Creek Watershed above county road East-Mortheast of Amadarko, in Caddo County, Okla.; tributary to Washita River: Red River Basim. GACING STRITON--BEI/9 sec. 18, 7. 7 Nr., R. 9 Nr., lat. 35 deg. 05 min., long. 96 deg. 11 min., 2-1/2 miles East of Amadarko, Okla., on upstream side of section line road bridge.

AREA: 25020.00 acres 39.10 sq. miles

HC	DRIHLA	PRECIPI	HOLTATION	AND RU	HOPP (i	nches	:)		CHICKAS	HA, O	KLAHONA	TAW	BRSHED	110 NEA	R ANAD	ARKO	
		Jan	Feb	Har	Apı	:	Hay	Jun	Ju1	λυ	g S	ер	Oct	How	Dec	1	nnual
1971	P Q	0.94	1.31	0.05 0.0	0.4		5.15 0.003	2.71 0.001	2.06 0.0			.77 .001	4.29 0.004	0.69 0.0	2.6		0.39 0.010
STA AV	P Q	0.65 0.0	1.05 0.002	1.33 0.00	2.5		3.70 0.061	2.98 0.005	1.82 0.0	2. 0.		-04 -000	1.78 0.000	1.81 0.003	0.9		5.35 0.099
	ABBUDAL MAITHUM DISCHARGE (im/hr) AND MAITHUM VOLUMES OF RUNOFF (inches) FOR SELECTED THEE INTERVALS HAXIBUM TOLUME for Selected Time Interval																
		Discha Date F		1 Hou Date 1		2 H Date	Vol.	6 Ro Date	Vol.	12 E Date	vol.		Day Vol.	2 Da Date	ys Vol.		ays Vol.
1971		5-31	.001	5-31 (0.001	5-31	0.002	5-31	0.003	5-31	0.003	5-31	0.003	5-30	0.003	5-24	0.003
						25	AXIMUMS	FOR PR	RIOD OF	RECO	RD						
		5-11 0	-004	5-11 (0.004	5-11	0.007	5-11	0.021	5-11	0.038	5- 6	0.070	5- 6	0.127	5- 4	0.278

ROTES: stetrshed conditions: From a Kwized 1971 survey (p. 69.407-1, this publication); sewed crop - 30%; row conditions: A first condition of the state of the s

!	1971		DAILY PRECI	PITATION	(inches)		CHI	CKASHA, O	KLAHOHA	WATERSHE	0 110 NEAL	BANADARK	0
1	ay	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1		0.0	0.0	0.0	0.0	0.02	0.0	0.14	0.0	0.0	0.0	0.0	0.06
1 3		0.12	0.0	0.05	0.0	0.0	0.0	0.02	0.0	0.0	1.68	0.0	0.54
1 3		0.82	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.11
1 3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0 0.17
1 3	,	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
i e		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 7		0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
1 8		0.0	0.0	.0.0	0.0	0.04	0.0	0.0	1.57	0.0	0.03	0.0	0.16
1 9		0.0	0.0	0.0	0.0	0.73	0.55	0.0	0.0	0.0	0.0	0.0	0.11
1 10)	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.02	0.0	0.0	0.0	0.13
1 11		0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
i 12	?	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.10	0.0	0.0	0.0	0.0
1 13		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.0
1 14		0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.08	0.0	0.0	0.0	1.11
1 15	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.01
16	5	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 17		0.0	0.0	0.0	0.07	0.0	0.0	0.18	0.0	1.10	0.10	0.03	0.0
1 18		0.0	0.26	0.0	0.0	0.10	0.0	0.0	0.0	1.41	0.66	0.0	0.0
1 19		0.0	0_0	0.0	0.22	0.0	0.0	0.01	0.0	0.04	0.22	0.0	0.0
20)	0.0	0.02	0.0	0.02	0.0	0.37	0.0	0.0	0.0	0.03	0.0	0.0
21		0.0	0.98	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0	0.0	0.0
1 27		0.0	0.0	0.0	0.02	0.0	0.0	0.19	0.03	0.0	0.0	0.57	0.0
1 23	3	0.0	0.0	0.0	0.0	0.45	0.0	0.40	0.0	0.18	0.0	0.02	0.0
24		0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.02	1.71	0.0	0.0	0.0
25	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26		0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.0	1.18	0.0	0.0
27		0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28		0.0	0.02	0.0	0.04	0.0	0.0	1.12	0.0	0.0	0.0	0.0	0.0
1 29		0.0		0.0	0.02	0.01	0.0	0.0	1.02	0.0	0.30	0.0	0.20
30		0.0		0.0	0.0	0.48	0.36	0.0	0.0	0.0	0.09	0.07	0.0
j 31	!	0.0		0.0		2.45		0.0	0.0		0.0		0.0
TOTAL	,	0.94	1.31	0.05	0.42	5.15	2.71	2.06	5.40	4.77	4.29	0.69	2.60
STA A	V	0.65	1.05	1.33	2.53	3.70	2.98	1.82	2.75	4-04	1.78	1.81	0.92

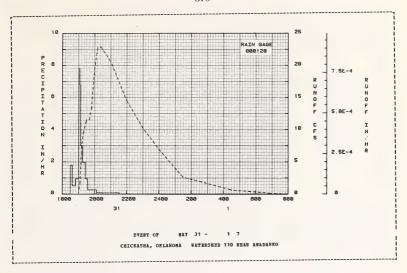
HOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessen weighted average of 10 rain gages on the watershed. STA AV based on 11 yr (1961-7), record period.

197	1	MEAN DAIL	Y DISCHAR	GE (cfs)		CHI	CKASHA,	OKLAHOHA	WATERSHE	110 FEA	BABADARK)
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Ang	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.536	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.656	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.206	0.0	0.0
t	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.050	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.240	0.0	0.0	0.0	1.10
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.134	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.719	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.022	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.434	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.066	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		2.945		0.0	0.0		0.0		0.0
AH	0.0	0.0	0.0	0.0	0.0950	0.0179	0.0	0.0099	0.0240	0.1452	0.0	0.03
CHES	0.0	0.0	0.0	0.0	0.003	0.001	0.0	0.000	0.001	0.004	0.0	0.0
A AV	0.0	0.002	0.004	0_024	0.061	0.005	0.0	0.001	0.000	0.000	0.003	0.0

NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by .0009513. To convert discharge in inches to AC-FT, multiply by 2,085. STA AV based on 9 yr (1963-71) record period.

1 SEI	ECTED EUNO	PP BARRI			CHICK	ASHA, OKLAR	ORY AY	TERSHED 11	O REAR ANA	DARKO
	ENT CONDI				INFALL			RUNCE		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day		Intensity (in/hr)			Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	HAY	31 -	1 7				
1	G 000128			RG 000	128					
5-31	0.0	0.0	5-31	1830	0.0	0.0	5-31	1900	0.0	0.0
				1837	1.8002	0.21		1906	1.650	0.0
				1849	0.5000	0.31		1911	6.700	0.0
				1901	0.9500	0.50		1918	9.500	0.0
				1905	7.8001	1.02		1930	11.590	0.0001
ATERSHED	CONDITIONS	:								
om a revi	sed 1971 s	BLAGA		1908	6.7996	1.36		1941	11.570	0.0002
	1, this pu			1915	3.0000	1.71		1948	13.300	0.0003
tion): so	wed crop -	30%:		1926	1.9638	2.07		2000	19.750	0.0004
W CTOD -	5%; alfalf	a +		1935	0.9333	2-21		2011	22,800	0.0006
%: pastm	e and rang	e -		2008	0.2545	2.35		2023	22,900	0.0008
	scellaneou									
X .				2133	0.0706	2.45		2100	20.570	0.0013
								2200	14.450	0.0020
								2300	10.240	0.0025
								2400	6.910	0.0028
							6- 1	130	2.590	0.0031
								430	0.610	0.0033
									0.090	0.0033
								700 830	0.090	0.0033

HOTES: To convert runoff in CPS to IB/BR, multiply by 0.000039638.



CHICKASHA, OKLAHOHA WATERSHED 522 WEAR MINNEKAH

LOCATION: Little Washita River Watershed above U.S. highway 81 bridge South of Chickasha in Grady and Caddo Counties, Okla.; tributary to Washita River; Ned River Basin. CACING STRTION--SR/W sec. 32, T. 6 N., R. 7 W., Lat. 34 deg. 57 min., 10-19, 97 deg. 57 min., 5-19, Enless South of Chickasha, Okla., at U.S. highway 81 bridge.

AREA: 132990.00 acres 207.80 sq. miles

80	BTHLY	PRECIPI	TATION A	AND RUNOPI	(inches	s)		CHICKASH	, OKLAHO	MA WA	TERSHED	522 NEAR	MINNEKAH	
		Jan	Feb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.49 0.047	1.74 0.062	0.07 0.044	0.41 0.025	4.90 0.037	2.59 0.138	2.41 0.010	4.77 0.101	5.42 0.106	5.03 0.432	0.68 0.050	2.79 0.112	31.30 1.163
STA AV		0.82 0.067	1.23 0.075	1.52 0.096	2.51 0.138	3.98 0.242	2.72 0.131	1.88 0.030	2.63 0.049	4.29 0.073	2.09 0.083	1.93 0.087	1.02 0.062	26.61 1.133
	VARO1	AL MAXIM	OH DISCH	HARGE (in,	hr) And	BAXIBUR	AOTABE	S OF RUN	PF (inch	es) FOR	SELECTE	D TIME I	BTERVALS	
		Hawim Discha Date B	rge	1 Hour Date Vol			6 Ho			1	Day		s 8	Days
1971	,	10- 3 0	.029 10	0-3 0.02	29 10- 3	0.057	10- 3	0.149 10	2 0.25	0 10- 2	0.299	10- 2 0	.333 10- 3	0.378
						AXIBUES	POR PE	RIOD OF	RECORD					
		5-10 0. 1964		5-10 0.05 1964	55 5-10 1964	0.108	5- 9 1964		9 0.31	6 5- 9 1964	0.365	5- 9 0. 1964	.476 5- 196	0.536

LOTES: Seterahed conditions: First a revised 1971 survey [p. 69.007-1, this publication]; SMEG Corp. 15%; or the condition of the condition of

1971	D	AILY PREC	IPITATION	(inches)		CHI	CKASHA, O	KLAHOMA	WATERSHE	D 522 NEAD	R MINNEKAB	
Day	Jan	Peb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	How	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.01	0.05
2	0.04	0.0	0.07	0.0	0.0	0.0	0.02	0.0	0.0	3.21	0.0	0.61
3	0.45	0.0	0.0	0.0	0.01	0.06	0.0	0.0	0.0	0.11	0.0	0.07
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
б	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.99	0.0	0.10	0.0	0.43
9	0.0	0.0	0.0	0.0	0.73	0.48	0.01	0.0	0.0	0.0	0.0	0.17
10	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.12	0.0	0.0	0.0	0.16
11	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.60	0.0	0.19	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.46	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.29	0.0	0.0	0.0	0.87
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.04	0.0	0.0	0.01	0.0	1.38	0.04	0.06	0.0
18	0.0	0.45	0.0	0.0	0.10	0.0	0.0	0.0	1.80	0.33	0.0	0.0
19	0.0	0.0	0.0	0.09	0.0	0.0	0.01	0.0	0.10	0.55	0.0	0.0
20	0.0	0.02	0.0	0.03	0.0	0.55	0.0	0.0	0.0	0.07	0.0	0.0
21	0.0	1.19	0.0	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05	0.0	0.0	0.27	0.0	0.02	0.0	0.51	0.0
23	0.0	0.0	0.0	0.0	0.67	0.0	1,20	0.03	0.28	0.0	0.01	0.0
24	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.04	1.78	0.0	0.0	0.0
25	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.08	0.03	0.0	0.0	0.0
26	0.0	0.0	0.0	0.01	0.58	0.0	0.01	0.0	0.0	0.53	0.0	0.0
27	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.03	0.0	0.0	0.75	0.01	0.0	0.0	0.0	0.0
29	0.0		0.0	0.02	0.03	0.0	0.0	0.26	0.0	0.06	0.0	0.28
30	0.0		0.0	0.0	0.43	0.03	0.0	0.0	0.0	0.03	0.09	0.0
31	0.0		0.0		2.17		0.0	0.0		0.0		0.0
TOTAL	0.49	1.74	0.07	0.41	4.90	2.59	2.41	4.77	5.42	5.03	0.68	2.79
STA AV	0.82	1.23	1.52	2.51	3.98	2.72	1.88	2.63	8.29	2.09	1.93	1.02

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessen weighted average of 36 rain gages on the watershed. STA AV based on 11 yr (1961-71) record period.

197	1	MEAN DAILY	DISCHARG	E (cfs)		CBIC	CKASBA, O	KLABOSA	WATERSHE	D 522 NEA	R MINNEKA	B
Day	Jan	Feb	Har	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	7.6	8.0	9.2	6.1	2.2	530.4	0.7	1.7	3.3	5.0	12.8	7.8
2	7.9	7.4	8.6	5.7	4.9	34.8	0.7	1.0	3.0	304.2	14.1	9.8
3	11.3	7.7	7.6	6.0	6.3	19.2	0-4	0.5	2.3	1414.1	12.1	12.4
4 5	9.8 7.9	8.7 8.7	12.7 13.0	6.4 7.1	3.3 2.7	13.3 9.3	0.1	0.2	1.6	172.7 92.6	10.8 9.6	14.5
5	7.9	8. /	13.0	/. 1	2.1	9.3	0.0	0.0	1.2	92.6	9.6	14.3
6	7.6	7.3	11.3	6.8	2.1	5.9	0.0	0.1	1.0	52.3	8.3	15.3
7	7.6	6.1	9.9	6.3	1.6	4.3	0.0	0.2	0.6	36.4	7.4	14.1
8	7.6	5.5	9-4	5.0	1.4	3.3	0.0	13.6	0.4	26.4	8.1	15.8
9	8.4	7.1	9.8	4.0	4.1	10.9	0.0	21.8	0.5	21.4	8.1	24.6
10	13.4	14.3	10.0	3.9	22.0	12.1	0.0	4.2	0.5	18.1	75	23.5
11	16.3	12.7	9.1	3.6	9.7	6.1	0.0	1.3	0.5	15.4	6.5	19.5
12	11.5	9.9	8.9	3.6	5.3	35.3	0.0	0.9	0.4	12.8	8.7	15.
13	10.2	8.2	8.7	3.8	4.0	15.8	0.0	2.1	0.1	11.9	8.7	13.
14	9.7	7.6	7.7	3.6	3.5	6.3	0.0	337.9	0.1	11.2	8.4	21.
15	8.5	7.6	7.3	3.5	2.5	3.3	0.0	74.8	0.1	10.6	9.1	120.
16	7.7	7.3	7.4	4.8	1.6	2.1	0.0	24.7	0.1	11.5	9.3	33.
17	7.6	7.2	6.8	6.7	0.9	1.4	0.0	12.8	2.2	10.4	10.1	21.
18	7.6	12.0	5.8	6.1	1.0	1.2	0.0	8.2	172.4	10.1	10.3	19.
19	7.3	17.9	5.6	6.1	1.1	0.8	0.0	6.2	25.9	12.7	10.6	19.
20	7.3	12.3	5.6	6.9	0.8	0.8	0.0	5.4	9.9	15.6	9.8	18.
21	7.5	47.2	5.4	6.3	0.4	20.5	0.0	5.2	6.0	12.7	9.7	18.0
22	7.3	36.8	5.7	4.7	0.4	14.8	0.0	4.3	5.3	10.4	9.7	17.
23	7.1	19.8	6.6	3.6	4.9	7.4	0.0	3.4	4.9	9.7	9.8	16.
24	6.8	15.0	6.1	2.8	4.3	3.8	12.0	3.2	138.1 165.0	9.3 9.8	10.1 9.7	15-5
25	6.4	12.7	6.4	2.3	5.9	2.4	6.1	3.7	165.0	9.8	9.7	14.5
26	6.4	10.8	6.4	3.4	1.6	1.6	1.4	4.5	19.3	11.7	9.1	14.
27	6.4	9.4	6.4	2.1	7.1	1-1	0.4	3.0	10.9	18.1	8.3	14.
28	7.0	9.0	6.8	1.1	0.5	0.8	8.5	2.8	7.6	18.4	7.6	14.
29	8.7		6.8	1.4	0.1	0.8	16.0	4.5	6.1	16.9	6.9	14.8
30	9.2 8.8		6.8 6.7	2.9	0.1 100.0	0.7	5.9 3.0	5.5 3.9	5.4	16.1 15.5	6.9	20.7
EAR	8.522	12-290	7.885	4.563	6.668	25.677	1.783	18.116	19.823	77.869	9.274	20.26
BCEES	0.047	0.062	0.044	0.025	0.037	0.138	0.010	0.101	0.106	0.432	0.050	0.11
TA AV	0.067	0.075	0.096	0.138	0.242	0.131	0.030	0.049	0.073	0.083	0.087	0.06

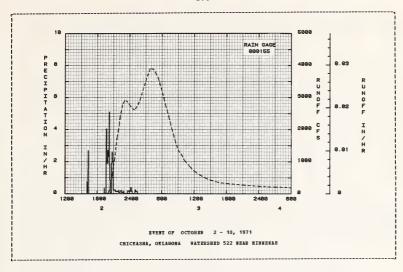
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.0001790. To convert discharge in inches to AC-FT, multiply by 11,083. Yearly mean discharge, 10.7 CFS. STA AV based on 9 yr (1963-71) record period.

ANTECEDENT CONDIT	Runoff	Date	Time	BPALL Intensity	Acc.	Date	RUNC	FF Rate	Acc.
Mo-Day (inches)	(inches)	No-Day	of Day	(in/hr)		Ho-Day	of Day		(inches)
			NT OF OCS		10, 1971				
RG 000155			RG 000	155	•				
10-2 0-0	0.001	10- 2	1605	0.0	0.0	10- 2	1911	5,000	0.0
			1609	0.7500	0.05		1936	17.400	0.0
			1614	0.0	0.05		2000	17-500	0.0001
			1617	0.6000	0.08		2006	37.700	0.0001
			1619	1.4997	0.13		2011	63.800	0.0001
WATERSHED CONDITIONS:									
rom a revised 1971 su	TTEV		1621	2.7007	0.22		2018	117-000	0.0002
p. 69.007-1, this pub			1624	0-4000	0.24		2023	200, 100	0.0003
ation); sowed crop -			1919	0.0	0.24		2030	257.400	0.0005
ow crop - 1%; alfalfa			1924	0.3600	0-27		2036	326, 198	0.0007
%: pasture and range			1942	0.0	0.27		2041	421.198	0.0009
5%: miscellaneous -			1342	0.0	0.27		2041	42 10 150	0.000
6%			1946	4.0501	0.54		2048	545,398	0.0013
ON S			1958	1.9000	0.92		2053	682.898	0-0017
			2004	2.6998	1.19		2100	815, 198	0.0024
			2012	2.3250	1.50		2106	938, 198	0.0030
			2012	5.1001	1.84		2111	1032.800	0.0036
			2010	34 100 1	1.04		2111	1032.000	0.0036
			2021	1.8001	1.99		2118	1133, 198	0.0045
			2026	0.8401	2.06		2123	1296.000	0-0053
			2040	0.0429	2.07		2130	1453.100	0.0065
			2046	1.8999	2.26		2136	1608, 398	0.0076
			2052	2.6002	2.52		2141	1717, 698	0.0076
			2032	2.0002	2.52		2141	1717.090	0.0000
			2101	1.9999	2.82		2148	1846.500	0.0102
			2124	0.2348	2.91		2153	1932-600	0.0114
			2156	0.1313	2.98		2200	2032.898	0.0111
			2202	0.1313	3.00		2206	2171.198	0.0146
			2217	0.0800	3.02		2211	2321-799	0.0160
			2217	0.0800	3.02		2211	2321-799	0.0160
			2233	0.1875	3.07		2218	2454.999	0.0181
			2252	0.0632	3.09		2230	2604.999	0.0219
			2300	0.1500	3.11		2241	2768.998	0.0219
			2339	0.1500	3.11		2241	2821.499	0.0255
			2358	0.1579	3.16		2306	2895.898	0.0279

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.000007457.

	CTED RUBOF					ASHA, ORLAI				BEKAB
	BT CONDIT		Dada.	RAI	NPALL			RUNG	FF	
No-Day	(inches)	(inches)	Mo-Day	of Day	Intensity (in/hr)	(inches)	Mo-Day	of Day	(cfs)	Acc. (inches)
			EVENT OF			1971 (CO)				
			10-3	15	0.1412	3.20	10- 2	2323	2896.698	0.0405
				25 33	0.3600	3.26		2336	2860.698	0.0451
				102	0.1500	3.28	10- 3	2400 36	2768.198 2642.398	0.0535
				112	0.2400	3.28	10~ 3	53	2642.398	
				131	0.1263	3.36		106	2654.498	0.0754
								136 206	2784.898	0.0855
								236	3008.098	0.0963
								318	3307.299 3680.799	0.1263
								348	3897.599	0.1404
								406	3897.198	0.1891
								430	3868.298	0.1607
								448	3770.799	0.1692
								518	3605.398	0.1830
								536	3437.599	0.1909
								600	3211.698	0.2009
								623	2955.599	0.2097
								641		0.2160
								706	2510.898	0.2242
								723	2315.598	0.2293
								741	2133.598	0.2342
								800 818		0.2391
								836	1754.298 1578.898	0.2452
								853	1429.398	0.2501
								918	1289.398	
								941	1215.498	0.2579
								1006	1068, 198	0.2615
								1036	960.999	0.2653
								1106	863.800	0.2687
								1136	768.799	0.2717
								1211		
								1306	581.599	0.2792
								1406	488.300	0.2832
								1506	421.000	0.2866
								1636 1836	349.600	0.2909 0.2958
								2106		0.3011
								2400	233.800	0.3065
							10- 4	300	206.700	0.3114
							4	600	188.300	
								1030	173.400	0.3219
								1400	164-600	0.3263
								1930	147.700	0.3327
								2400	131.300	0.3374
							10- 5	1200	90.200	0.3428
								1800	72.300	0.3473 0.3509
								2400	65.900	0.3540
							10- 6	1200 2400	50.100 43.000	0.3592
							10- 7	1200	35,900	0.3669
							10- 7	2400	30.750	
							10- 8	1200		0.3724
								2400	23.450	0.3746
							10- 9	1200	21.300	0.3766
								2400	19.650	0.3784
							10-10	1200 2400	18.000 16.700	0.3801

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.000007457.



CHICKASHA, OKLAHOHA WATERSHED 512 AT TABLER

LOCATION: East Bitter Creek Watershed above U.S. Highway 62 bridge at Tabler, in Grady County, Okla.; tributary to Washita Eiver; Red River Basin. G&GIMG STATION--SW1/4 sec. 27, T. 7 N., B. 6 W., lat. 35 deg. 05 min., long. 97 deg. 50 min., at Tabler, Okla., at U.S. highway 62 bridge.

AREA: 22530.00 acres 35.20 sq. miles

		Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	HOW	Dec	Annual
1971	P Q	0.58 0.065	1.78	0.14 0.063	0.72 0.051	4.19 0.068	5.41 0.553	2.55 0.019	3.73 0.072	5.80 0.302	5.69 0.840	0.52 0.098	3.14 0.357	34.25 2.573
TA AV	P Q	0.82 0.088	1.29 0.097	1.58 0.138	2.66 0.275	3.61 0.309	3.37 0.228	2.26 0.075	3.44 0.179	4.36 0.210	2.08 0.153	1.99 0.149	1.15 0.110	28.61 2.011
	ANNI	UAL BAXI	MUM DIS	CHARGE (in/hr) AN	DHIXAR	M VOLUME	S OF RUNO	FF (inch	es) POR	SELECTE	D TIME	INTERVALS	
	ANN	Haxi	.mos				Maximum	Volume fo	r Select	ed Time	Interva	1		
	ANNI	Haxi	mus arge	CHARGE (r 2		Maximum 6 Ho	Volume fo		ed Time		1	ys	8 Days
1971	ANNI	Haxi Disch Date	mus arge Rate	1 Hou	r 2	Hours	Maximum 6 Ho Date	Volume fo urs 1 Vol. Da	r Select 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Day Date	ys Vol. Da	8 Days te Vol.

NOTES: Watershed conditions: From a revised 1971 survey (p. 69.007-1, this publication); sowed crop - 9% anialfa - 3%; extracted case in the six accelerator - 5%. One page of the six a

1971	Di	AILY PREC	EPITATION	(inches)		CHI	CKASHA, OI	KLAHOHA	WATERSHE	512 AT !	ABLER	
Day	Jan	Feb	Mar	Apr	Бау	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0	0.0
2	0.11	0.0	0.05	0.0	0.0	0.99	0.0	0.0	0.0	3.54	0.0	0.5
3	0.47	0.0	0.0	0.0	0.02	0.86	0.0	0.0	0.0	0.15	0.0	0.13
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.09	0.0	0.0	0.0
7	0.0	0.02	0.0	0.0	0.0	0.97	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.91	0.0	0.08	0.02	0.4
9	0.0	0.0	0.0	0.0	0.68	0.23	0.06	0.0	0.0	0.0	0.0	0.1
10	0.0	0.0	0.0	0.0	0.01	0.38	0.0	0.0	0.0	0.0	0.0	0.2
11	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.94	0.0	0.26	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.48	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0_0	0.0	0.0	0.0	1.75	0.0	0.0	0.0	1.1
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	1.40	0.01	0.07	0.0
18	0.0	0.21	0.0	0.0	0.10	0.0	0.0	0.0	2.02	0.45	0.0	0.0
19	0.0	0.0	0.0	0.12	0.0	0.0	0.01	0.0	0.09	0.62	0.0	0.0
20	0.0	0.0	0.0	0.08	0.0	0.41	0.0	0.0	0.0	0.12	0.0	0.0
21	0.0	1.47	0.0	0.0	0.0	0.51	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.04	0.0	0.0	0.14	0.0	0.0	0.0	0.34	0.0
23	0.0	0.0	0.0	0.0	1.06	0.0	0.62	0.0	0.25	0.0	0.04	0.0
24	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	1.86	0.0	0.0	0.0
25	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0
26	0.0	0.0	0.0	0.13	0.92	0.0	0.0	0.0	0.0	0.69	0.0	0.0
27	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.0	0.0	0.01	0.95	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.17	0.0	0.03	0.0	0.01	0.0	0.0	0.0	0.3
30	0.0		0.0	0.0	0.29	0.01	0.0	0.0	0.0	0.03	0.05	0.0
31	0.0		0.0		0.92		0.0	0.0		0.0		0.0
TAL	0.58	1.78	0.14	0.72	4.19	5.41	2.55	3.73	5.80	5.69	0.52	3.1
A AV	0.82	1.29	1.58	2.66	3.61	3.37	2-26	3.44	4.36	2.08	1.99	1.1

HOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication.
STA AT walues are a Thiessen weighted average of 10 gages for 1961-66 and 31 gages for 1967-71 on the Watershed.
STA AT based on 11 yr for total period of record (1961-71).

197	1	BEAN DAIL	Y DISCHARG	E (cfs)		CHIC	KASBA, O	KLABOBA		D 512 AT 3	ABLER	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Hov	Dec
1	1.88	1.73	2.23	1.62	1.79	29.43	0.47	0.09	0.07	1.22	3.65	3.11
2	1.96	1.73	2.17	1.58	1.56	11.90	5.47	0.05	0.06	339.60	3.48	3.73
3	3.19	1.88	1.92	1.63	1.36	215.04	3,22	0.04	0.04	302.72	3.17	4.85
4	2.02	2.07	2.31	1.70	1.28	9.91	0.90	0.03	0.03	19.87	2.96	4.9
5	1.52	1.96	2.23	1.71	1. 18	4.41	0.45	0.02	0.03	8.75	3.02	4.65
6	1.80	1.81	2.12	1.71	0.86	2.64	0.28	0.03	0.03	6.31	3.01	4.60
7	1.82	1.42	1.97	1.70	0.27	1.92	0.16	0.05	0.02	5.00	2.83	4.3
8	1.96	1.48	1.96	1.64	0.51	84.96	0.10	3.13	0.03	4.55	2.75	5.87
9	2.19	1.64	2.03	1.62	2.15	9.47	0.07	1.27	0.04	4.03	2.91	12.34
10	2.21	1.87	2.04	1.58	2,39	5. 17	0.08	0.22	0.02	3.52	3.02	9.70
11	2.14	2.09	2.05	1.61	1.68	6.08	0.06	0.12	0.01	3.08	3.02	6.61
12	2.14	2.03	2.12	1.56	1.19	90.56	0.04	0.09	0.00	2.90	2.94	5.3
13	2.21	1.89	2.11	1.48	0.98	9.91	0.04	0.43	0.0	2.64	2.94	4.77
14	2.21	1.87	1.94	1.43	0.81	5.35	0.04	39.94	0.0	2.53	3.02	55.50
15	2.13	1.87	1.74	1.49	0.62	3.68	0.04	12.99	0.0	2.60	3.04	92.58
16	2.05	1.87	1.70	1.67	0.52	2.68	0.04	2.56	0.0	2.61	3.04	14.53
17	2.04	1.91	1.64	2.07	0.46	2.15	0.04	2.56	0.10	2.75	3.04	9.20
18	2.01	2.20	1.63	2.11	0.46	1.79	0.04	0.99	110.98	3.93	3.04	7.6
19	1.82	2.35	1.62	1.98	0.39	1.51	0.02	0.66	4.08	6.77	3.04	6.98
20	1.81	2.21	1.60	2.00	0.33	1.44	0.02	0.51	2.32	14.36	3.04	6.89
21	1.93	18.21	1.77	1.78	0.31	12.17	0.02	0.37	1.65	5.24	3.07	6.68
22	1.95	6.86	1.86	0.87	0.37	3.05	0.04	0.26	1.25	4.13	3.32	6.23
23	1.95	4.20	1.86	0.88	14.89	2.08	1.65	0.23	1.09	3.78	3.77	6.05
24	1.94	3.35	1.84	0.44	5.65	1.51	1.74	0.19	126.75	3.63	3.53	6.16
25	1.87	2.95	2.09	1.13	1.35	1.16	0.23	0.19	25.49	3.52	3.27	6.16
26	1.80	2.78	2.11	1.26	0.95	0.92	0.13	0.20	4.00	5.56	3.05	6.03
27	1.79	2.45	1.99	2.04	9.48	0.70	0.07	0.18	2.57	11.80	2.95	5.9
28	1.79	2.31	2.07	1.91	2.17	0.61	1.77	0.16	1.93	5.10	3.02	5.67
29	1.80		1.89	1.89	1.40	0.54	0.36	0.11	1.69	4.45	3.04	6.96
30	1.86		1.78	1.99	1.65	0.38	0.18	0.08	1.42	4.15	3.04	10.57
31	1.85		1.65		5.11		0.13	0.07		3.89		3.32
BAH	1.988	2.893	1.937	1.603	2.069	17.436	0.577	2.188	9.524	25.645	3.101	10.90
CHES	0.065 0.088	0.086	0.063	0.051 0.275	0.068	0.553	0.019	0.072	0.302	0.840	0.098	0.35

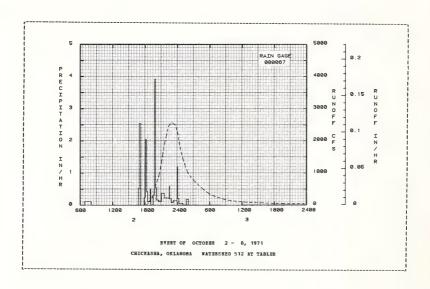
HOTES: To convert mean daily discharge in CFS to IM/DMT, multiply by 0.001056. To convert discharge in inches to AC-PT, multiply by 1,878. STA AV based on 9 yr (1963-71) record period.

ARTECEDENT CONDITIONS							12 AT TABLE	
		RAI	BFALL			RUBO	FF	
Date Rainfall Runo Mo-Day (inches) (inch	ff Date es) No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
	EVE	NT OF OCT	OBER 2 -	8, 1971				
EG 000067		RG 0000						
10-2 0.0 0.0	01 10-2	645	0.0		10~ 2	1100	1. 150	0.0
		800	0.1200			1630	1.340	0.0003
		1645	0.0	0.15		1736	1.560	0.0004
		1654	0.5334	0.23		1800	4.580	0.0005
		1710	2,5500	0.91		1811	14.420	0.0006
WATERSHED CONDITIONS:								
Prom a revised 1971 survey		1748	0.0	0.91		1818	19.360	0.0007
(p. 69.007-1, this publi-		1801	0.2308	0.96		1830	46. 140	0.0010
cation); sowed crop - 8%;		1813	2.0500	1.37		1836	75.480	0.0013
alfalfa - 3%; pasture and		1827	0.4286	1.47		1848	125.810	0.0022
range - 81%; and miscel-		1855	0.1071	1.52		1900	178.340	0.0036
laneous - 8%.		. 333	0.1071			.300		
Additional One		1902	0.5143	1.58		1918	251.850	0.0064
		1930	0.0	1.58		1930	312.090	0.0089
		1943	0.3231	1.65		1941	427.030	0.0089
		1954	3.9273	2.37		1953	580.760	0.0163
		2005	0.5455	2.47		2011	740.059	0.0249
		2028	0.1565	2.53		2030	892,500	0.0364
		2102	0.1235	2.60		2041	1036.888	0-0440
		2133	0.3677	2.79		2053	1221.330	0.0541
		2227	0.2222	2.99		2106	1434.118	0.0667
		2232	0.6000	3.04		2118	1651.547	0.0802
		22.72	220000	5.04		2110		0.0002
		2250	0.2000	3.10		2136	1946.738	0.1040
		2313	0.0783	3.13		2200	2226.098	0.1410
		2354	0.1463	3.23		2218	2459, 137	0.1716
	10-3	2	1.2000	3.39		2241	2542.269	0.2137
		14	0.2000	3.43		2300	2563.307	0.2497
				2 4 2		0000		
		58	0.0545	3.47		2336	2493.577	0.3162
		139	0.0	3.47		2400	2258.538	0.3583
		202	0.1826	3.54	10- 3	18	1946.738	0.3858
						41	1635.398	0.4160
						100	1434.118	0.4376

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.00004402.

1 SE	LECTED RUBOI	F EVERT			CHICK	SHA, OKL	THORY AN	TERSHED 5	12 AT TABLE	BB
	DEST COMDIT			RAI	BPALL			RUNC	PV	
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day		Intensity (in/hr)			Time	Rate (cfs)	Acc.
			EVENT OF	OCTOBER	2 - 3,	1971 (CC	HTINUED)			
							10- 3	130	1176.810	0.4663
								200	972.860	0.4900
								300	769,009	0.5283
								400	602.490	0.5585
								500	466.030	0.5820
								600	339.810	0.5997
								700	262.878	0.6130
								830	185.730	0.6278
								1000	130.560	0.6382
								1230	91.760	0.6504
								1600	62-650	0.6623
								1930	43.090	0.6704
								2400	33, 170	0.6780
							10~ 4	600	24.410	0.6856
								1200	19.360	0-6914
								1800	13.830	0.6958
								2400	10.600	0.6990
							10- 5	1200	8.520	0.7040
								2400	7.350	0.7082
							10~ 6	1200	6.180	0.7118
								2400	5.525	0.7149
							10- 7	1200	4-870	0.7176
								2400	4.725	0.7201
							10- 8	1200	4.580	0.7226
								2400	4.300	0.7249

BOTES: To convert runoff in CFS to IM/BB, Bultiply by 0.00004402.



CHICKASHA, OKLAHOMA WATERSHED 621 MEAR TABLER

IncitIOS: Winter Creek Matershed above county farm to market road bridge North of Alex in Grady County, Okla., tributary to Markita Biver; Red Biver Remin. GACRING STRITON-WELFY sec. 18, 7.6 N., R. 5 N., Hat. 35 deg. 00 min., long. 97 deg. 36 min., 5 miles Morth and 1 mile East of Alex, Okla., about 1,000 feet downstream from County section line farm to market road bridge over Winter Creek.

AREA: 21310.00 acres 33.30 sq. miles

ВО	NTHLY	PRECIP	HOITATION	AND RU	HOPF (inches	5)		CHICKA	SHA,	OKLAHOM	A WA	TERSHED	621 NB	AR TABI	BR	
		Jan	Peb	Bar	Ap	r	Hay	Jun	Ju1	A	ug	Sep	0ct	Nov	Dec	;	Annual
1971	Q Q	0.73 0.145	1.84	0.17 0.11			3.34 0.064	4.59 0.413	2.81 0.07			5.29 0.277	4.91 0.617	0.61 0.12			32.27
STA AV	P Q	1.06 0.132	1.30 0.148	1.46 0.16		60 228	3.96 0.441	3.08 0.217	2.24 0.12			4.66 0.340	2.10 0.205	1.96 0.18			28.64 2.473
	ANNU	AL HAXI	OH DISC	HARGE	(in/hr) AND	BAXIBUR	AOLUN	BS OF B	UNOPP	(inche	s) FOR	SELECTE	D TIME	INTERV	ALS	
		Haxi Disch Date	arge	1 Ho Date			ours Vol.	6 H	ours	12 1	Selecte Hours Vol.	1	Interva Day Vol.	2 D	ays Vol.		Days Vol.
1971		12-14	0.041	12-14	0.037	12-14	0.071	12-14	0.141	12-14	0.174	12-14	0.215	12-14	0.275	12-14	0.433
							AXIMUMS	FOR P	ERIOD C	F REC	ORD						
		5-10 1964	0.207	5-10 1964	0. 179	5-10 1964	0.269	9~22 1970	0.410	9-22 1970	0.649	9-22 1970	0.791	9-22 1970	0.957	9-22 1970	1.310

NOTES: Watershed conditions: From a revised 1971 survey (p. 69.007-1, this publication); sowed crop - 95; row crop - 15; alfalfa - 25; pasture and range - 775; and siscollaneous - 115. For maps of vatershed, see Mydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDn Bisc. Pab. 1216, p. 69.17-8 (Topography) and present of the Precipitation and and bathond from a Thiesens weighted average of pages on the vatershed. Precipitation records began Oct. 1961; runoff records began Oct. 1963. For long-time precipitation records, see Bathonal Wester Service records at Chicksha, Okt.

1971	Di	AILY PREC	IPITATION	(inches)		CHI	CKASHA, O	KLAHOMA	WATERSHE	D 621 NEAD	RTABLER	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	HOA	Dec
1	0.0	0.0	0.0	0.0	0.01	0.0	1.13	0.0	0.0	0.0	0.02	0.03
2	0.11	0.0	0.07	0.0	0.0	1.13	0.0	0.0	0.0	2.46	0.0	0.55
3	0.62	0.0	0.0	0.0	0.02	0.78	0.0	0.0	0.0	0.29	0.0	0.13
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16
6	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.47	0.35	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.54	0.0	0.08	0.01	0.38
9	0.0	0.0	0.0	0.0	0.70	0.22	0.04	0.0	0.10	0.0	0.0	0.34
10	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.01	0.0	0.0	0.0	0.22
11	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.72	0.0	0.24	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.40	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.73	0.0	0.0	0.0	1.52
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.75	0.02	0.13	0.0
18	0.0	0.29	0.0	0.0	0.10	0.0	0.0	0.0	1.88	0.64	0.0	0.0
19	0.0	0.0	0.0	0.19	0.0	0.0	0.01	0.0	0.08	0.60	0.0	0.0
20	0.0	0.0	0.0	0.10	0.0	0.70	0.0	0.0	0.0	0.06	0.0	0.0
21	0.0	1_44	0.0	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.03	0.0	0.0	0.11	0.0	0.0	0.0	0.35	0.0
23	0.0	0.0	0.0	0.0	0.83	0.0	0.69	0.0	0.29	0.0	0.05	0.0
24	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	1.59	0.0	0.0	0.0
25	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0
26	0.0	0.0	0.0	0.02	0.53	0.0	0.0	0.0	0.0	0.72	0.0	0.0
27	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.01	0.0	0.01	0.83	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.20	0.0	0.02	0.0	0.02	0.0	0.01	0.0	0.39
30	0.0		0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.03	0.05	0.0
31	0.0		0.0		0.68		0.0	0.0		0.0		0.0
OTAL	0.73	1.84	0.17	0.78	3.34	4.59	2.81	3.48	5.29	4.91	0.61	3.72
TA AV	1.06	1.30	1.46	2.60	3.96	3.08	2.24	3.01	4.66	2.10	1.96	1.21

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessem weighted average of 9 raim gages on the watershed. STA NV based on 11 yr (1961-71) record period.

19	71	BEAR DAIL	DISCHARG	E (cfs)		CHI	CKASHA, O	KLAHOMA	WATERSHE	D 621 MEAR	TABLER	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Hov	De
1	3.29	5.62	5.36	2.38	1.38	6.56	3.50	0.57	0.52	4.37	5.06	4.
2	3.68	4.98	5.17	2.03		6.43	31.65	0.44	0.50	46.27	4.48	6.
3	13.61	4.75	5.11	1.88		131.82	6.93	0.41	0.45	119.17	3.70	8.
ц	3.64	4.69	4.93	1.88	1.03	38.23	4.05	0.36	0.34	60.51	3.50	7.
5	2.23	4.52	4.75	1.87	0.80	26.29	2.13	0.37	0.22	49.58	2.99	6.
6	2.23	4.21	4.60	1.37	0.79	17.42	1.31	3.52	5.85	38.85	2.78	6.
7	2.23	3.34	3.86	1.51	0.91	12.20	1.09	1.63	1.93	26.55	2.68	6.
8	2.23	3.01	3.60	1.58	0.99	10.23	1, 10	3.20	0.84	21.46	2.76	8
9	2.23	3.37	3.52	1.27	4.74	8.17	1.23	2.79	0.68	15.58	2.80	10.
10	2.23	4.31	3.13	1.10	3.45	6.28	0.76	1.36	0.67	11.31	2.93	19.
11	2.23	4.18	2.97	1.18	2.69	5.57	0.50	1.03	0.42	7.47	3.09	10.
12	2.23	4.06	3.07	1.44	2.23	23.81	0.27	1.31	0.16	6.09	3.23	8.
13	2.23	3.65	3.02	1.74	1.88	13.96	0.23	2.84	0.11	5.39	3.23	7.
14	2.23	3.56	2.55	1.94	1.67	7.78	0.28	31,48	0.12	4.96	3.15	133.
15	2.40	3.43	2.36	1.85	1.59	4.57	0.21	13.70	0.15	4.72	3.39	82.
16	3.41	3.41	2.25	1.76	1.27	3.17	0.13	6.54	0.12	4.52	3.63	51.
17	3.63	3.52	2.20	2.21	1.11	2-49	0.06	4.54	0.73	4.35	4.09	40.
18	3.87	4.31	2.06	1.92	1.16	1.90	0.04	3.02	35.48	11.20	4.18	32.
19	3.76	4.94	2.30	1.99	0.82	1.52	0.09	2.13	8.26	11.55	3.52	22.
20	3.60	4.42	2.25	2.73	0.72	9.76	0.23	1.52	4.22	14.38	3.41	16.
21	3.58	26.36	2.23	2.43	0.71	14.52	0.28	0.94	2.61	7.92	3.50	13.
22	3.58	15.11	2.23	2.40	0.73	4.73	0.24	0.55	2.06	6.65	4.14	11.
23	3.58	11.86	2-26	2.55	6.76	3.19	4.28	0.47	2.29	6.05	4.78	10.
24	3.60	9.50	2.53	2.30	1.59	2.26	1.24	0.47	53.34	5.51	4.57	9.
25	3.72	8.17	2.98	2.28	0.81	1.65	0.46	0.49	43.80	4.60	4.49	8.
26	3.56	7.07	2.84	1.88	1.20	1.18	0.36	0.43	29.55	11.98	4.37	8.
27	4.55	6.12	2.97	1.52	2.86	0.91	0.36	0.38	21.37	14.39	4.49	7.
28	11.68	5.61	3.29	1.37	1.73	1.04	4.85	0.35	14.37	8.87	4.52	7.
29	9.98		2.95	2.26	1.37	1.07	1.28	0.35	9.86	6.73	4.55	10.
30	8.19		2,61	1.95	1.86	1.05	0.83	0.43	6.83	5.82	4.69	12.
31	6.62		2.22		5.30		0.74	0.54		5, 23		4.
AB	4.188	6.146	3.166	1.885	1.844	12.325	2.282	2.844	8.261	17.807	3.757	19.
CHES		0.192	0.110	0.063	0.064	0.413			0.277	0.617	0.126	0.
A AV	0.132	0.148	0.161	0.228	0.441	0.217	0.123	0.123	0.340	0.205	0.183	0.

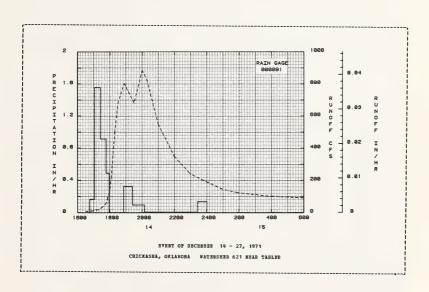
BOTES: To convert mean daily discharge in CFS to IB/DAT, multiply by 0.001117. To convert discharge in inches to AC-PT, multiply by 1,776. STA AV based on θ yr (1963-71) record period.

ANTEC	EDENT CONDI	TIONS		RAI	PP					
Date	Rainfall	Runoff		Time	Intensity		Date	Time	Rate	Acc.
No-Day	(inches)	(inches)	Mo-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			200	MA OR DACE	8BER 14 -	27 1971				
	RG 000091		5.5	RG 0000		27, 1371				
12-18	0.0	0.005	12-14	1645	0_0	0.0	12-14	1630	7,320	0.0
12-14	0.0	0.005	12-14	1703	0.1667	0.05	12 14	1700	12.450	0.0002
				1725	1.5545	0-62		1718	19,340	0.0004
				1746	0.9143	0.94		1736	38,700	0.0008
				1757	0.4909	1.03		1748	64.270	0.0013
ATERSHE	CONDITIONS	,		1737	0.4505	1203		1740	041270	0.0015
	vised 1971 s			1851	0.0	1.03		1753	97,030	0.0016
	7-1, this pu			1924	0.3273	1.21		1800	133,560	0.0022
tion):	sowed crop -	9% .		2009	0.0933	1.28		1806	232.330	0.0030
	- 1%; alfalf			2326	0.0061	1.30		1811	338.688	0.0041
	re and range		12-15	1	0.1371	1.38		1818	499,530	0.0064
	iscellaneou:		12 15		00.101.1	1000				
K								1830	681.360	0.0120
								1853	803.908	0.0252
								1930	681.360	0.0465
								2000	884.469	0.0647
								2018	823.540	0.0765
								2100	547.469	0.0989
								2200	347.740	0.1197
								2300	239,420	0.1334
								2400	190.590	0.1434
							12-15	100	143.580	0.1512
							12-15	100	143.500	0. 1512
								200	121,420	0.1574
								400	100.180	0.1677
								600	90.890	0. 1766
								900	83.040	0.1887
								1100	70.240	0.1958
								1100	70.240	0. 1550
								1400	68.500	0.2055
								1500	72.880	0.2088
								2000	60.990	0.2244
								2400	56.250	0.2353
							12-16	1200	51,710	0-2654

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.00004654.

SE	ECTED BUNG	P EVENT				SHA, OKLAI		TERSHED 621	BEAR TAI	BLER	
	DENT CONDIT			RAIMPALL				RUNOPF			
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day		Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)	
			EVERT OF	DECEMBER	14 - 27,	1971 (CO	(TINUED)				
							12-16	2400	45.525	0.2926	
							12-17	1200	39.340	0.3163	
								2400	36.370	0.3374	
							12-18	1200	33.400	0.3569	
								2400	27.640	0.3739	
							12-19	1200	21.880	0.3877	
								2400	18,985	0.3991	
							12-20	1200	16.090	0.4089	
								2400	14.650	0.4175	
							12-21	1200	13.210	0.4253	
								2400	12.110	0.4324	
							12-22	1200	11.010	0.4389	
								2400	10.505	0.4449	
							12-23	1200	10.000	0.4506	
								2400	9.525	0.4561	
							12-24	1200	9.050	0.4613	
								2400	8.605	0.4662	
							12-25	1200	8.160	0.4709	
								2400	8,160	0.4755	
							12-26	1200	8. 160	0.4801	
								2400	8.015	0.4846	
							12-27	1200	7.870	0.4890	
								2400	7.465	0.4933	

HOTES: To convert runoff in CFS to IM/HE, multiply by 0.00004654.



CHICKASHA, OKLAHOMA WATERSHED 121 AT GRACEMONT

LOCATION: Sugar Creek Watershed above Gracemont in Caddo County, Okla.; tributary to Washita River; Red River Basin. GACING STATION:-SIJ/4 Sec. 9, T. 8%, R. 10 %, lat. 35 deg. 10 min. 30 sec., long. 98 deg. 15 min. 30 sec., one mile south of Gracemont, Okla., on downstream side of county road bridge.

AREA: 131780.00 acres 205.90 sq. miles

HC	PATHLY	PRECIPI	TATION	AND RUNOF	F (inche:	5)		CHICKASE	A, OKLAHO	HY AY.	CERSHED .	121 AT G	BACEBONT	
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	HOV	Dec	Annual
1971	IP Q	1.12 0.019	1.30 0.025	0.0 0.010	0.52 0.009	3.25 0.009	4.62 0.129	2.44 0.011	3.97 0.031	4.55 0.023	2.98 0.014	0.76 0.023	2.32 0.069	27.83 0.374
STA AV	P Q	0.59 0.048	0.90 0.287	1.29 0.076	2.43 0.119	3.68 0.230	3.78 0.119	1.88 0.014	2.79 0.028	5.20 0.202	1.61 0.030	1.54 0.036	1.10 0.053	26.79 1.243
	ABBU	AL MAXIE		BARGE (in	/hr) AND				OFF (inch				HTERVALS	
		Discha Date F	rge	1 Hour Date Vol		Hours Vol.		urs	12 Hours ate Vol.	1	Day Vol.	2 Day Date ♥		B Days e Vol.
1971		5-31 0	.004	5-31 0.0	03 6- 9	0.005	6- 9	0.013 8	-14 0.01	9 6- 8	0.028	6-8 0	.044 6-	3 0.087
					1	HAXIHUHS	FOR PE	RIOD OF	RECORD					
		9-21 0	. 064	9-21 0.0 1965	62 9-21 1965	0.122	9-21 1965		-21 0.49	7 9-21 1965	0.653	9-21 0 1965	.815 9-3	1.238

BOTES: Watershed conditions: From a revised 1971 survey (p. 69.007-1, this publication); sowed crop - 10%; row crop - 12%; alfalfa - 4%; pasture and range - 56%; and miscellaneous - 18%. For maps of vatershed, see Bydrologic Data for Zpreineoutal Agricultural Watersheds in the United States, 1963, USDA Misc. Pub. 1164, p. 69.18-4 (Topography) and 1965, USDA Misc. Pub. 1216, p. 69.7-21 (Composite). The stream gaging station was maintained from cot. 1955 to Oct. 1963 by the U.S. Geological Survey. Precipitation data obtained from a Thiesem weighted average of 32 gages on the watershed, Precipitation records began Oct. 1961; runoff records began Oct. 1963. For long-time precipitation records began Oct. 1961.

1971 DAILY PRECIPITATION (inches)							CKASHA, OF	KEROHEL	WATERSHE	WATERSHED 121 AT GRACEMONT			
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	HOV	Dec	
1	0.0	0.0	0.0	0.0	0.12	0.0	0.76	0.0	0.0	0.0	0.01	0.05	
2	0.66	0.0	0.0	0.0	0.0	0.27	0.07	0.0	0.0	0.57	0.0	0.45	
3	0.46	0.0	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0	0.0	0.18	
4	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.04	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.02	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.85	0.0	0.0	0.01	0.05	
9	0.0	0.0	0.0	0.0	0.36	0.86	0.0	0.0	0.01	0.0	0.0	0.02	
10	0.0	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.05	
11	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.03	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.06	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.82	0.0	0.0	0.0	1.20	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.02	
16	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.06	0.0	0.0	0.02	0.0	1.69	0.01	0.04	0.0	
18	0.0	0.29	0.0	0.0	0.02	0.0	0.0	0.0	0.83	0.52	0.0	0.0	
19	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.03	0.0	0.0	
21	0.0	0.99	0.0	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.56	0.0	
23	0.0	0.0	0.0	0.0	0.23	0.0	0.25	0.02	0.09	0.0	0.07	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.88	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.02	0.90	0.0	0.0	0.0	0.0	0.83	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.02	0.0	0.0	0.0	0.0	0.94	0.21	0.0	0.03	0.0	0.0	
29	0.0		0.0	0.06	0.0	0.0	0.18	0.58	0.0	0.64	0.0	0.25	
30	0.0		0.0	0.0	0.31	0.32	0.0	0.0	0.0	0.13	0.07	0.0	
31	0.0		0.0		1.29		0.0	0.0		0.0		0.0	
TOTAL	1.12	1.30	0.0	0.52	3,25	4,62	2.44	3.97	4.55	2.98	0.76	2.32	
STA AV	0.59	0.90	1.29	2.43	3.68	3.78	1.88	2.79	5.20	1.61	1.54	1.10	

MOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessen weighted average of 32 raim gages on the watershed. STA AV based on 11 yr. (1961-7); record period.

197	1	BEAR DAIL	DISCHAR	GE (cfs)		CRI	CKASBA, O	KLAHOMA	WATERSHE	0 121 AT (GRACEMONT	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	2.70	2.91	4.71	0.04	0.13	42.85	20.58	0.0	0.38	2.45	5.10	7.26
2	3.56	3.20	5.00	0.09	0.01	13.15	15.36	0.0	0.14	3.41	4.34	11.66
3	7.90	3.46	4.80	0.10	0.0	65.70	13.36	0.0	0.18	3.88	3.25	17.99
4	3.71	3.61	5.00	0.14	1.65	44.06	5.96	0.0	0.11	3.02	2.50	10.75
5	2.73	4.18	4.71	0.32	0.46	27.99	1.35	0.0	0.10	2.64	2.35	9.45
6	2.70	3.57	4.40	0.14	0.10	16.41	0.13	0.0	0.10	2.04	2.00	8.63
7	2.70	3,20	3.99	0.09	0.01	9.79	0.07	0.0	0.10	1.65	1.68	8.50
8	2.80	2.98	2.91	0.05	0.0	61.28	0.01	1.72	0.10	1.60	1.77	8.50
9	3.48	3.20	1.94	0.38	2.96	138.84	0.0	0.14	0.10	1.57	1.80	8.50
10	4.06	3.61	1.69	0.95	0.96	82.73	0.0	0.01	0.09	1.39	1.80	8.63
11	4.15	4.32	0.96	0.23	0.36	89.59	0.0	0.0	0.01	1.09	1.80	9.51
12	3.05	3,10	0.57	0.01	0.11	35.25	0.0	0.0	0.0	0.75	1.82	9.86
13	3.74	2.82	0.69	0.57	0.02	23.04	0.0	1.16	0.0	0.73	1.98	6.23
14	4.29	3.48	0.84	0.35	0.09	16.77	0.0	43.26	0.0	0.89	2.30	13.89
15	4.21	3.95	1.09	1.74	0.09	12.94	0.0	85.26	0.0	1.00	4.38	48.85
16	4.59	3.54	0.79	0.93	0.01	9.10	0.0	5.49	0.16	1.06	6.50	28.93
17	4.32	3.39	1.16	1.06	0.0	5.88	0.0	2.64	1.70	1.21	7.60	28.38
18	3.51	4.25	2.76	1.70	0.0	3.38	0.0	1.63	4.79	2.85	6.43	24.73
19	2.98	4.10	2.10	1.85	0.0	2.10	0.0	1.01	2.63	2.76	6.15	18.70
20	3.93	2.00	1.54	15.60	0.0	1.65	0.0	0.52	2.11	2.70	5.68	12.32
21	4.02	8.16	0.84	9.23	0.0	6.56	0.0	0.23	2.55	2.61	4.61	9.16
22	3.57	9.09	0.88	6.25	0.0	2,61	0.0	0.11	2.19	2.06	4.90	7.69
23	3.40	10.41	0.89	3.85	1.03	0.39	2.08	0.10	1.73	1.80	6.26	7.45
24	2.82	10.48	0.75	1.99	0.03	0.09	0.29	0.10	27.22	1.63	5.85	7.15
25	2.91	11.76	0.34	1.32	0.0	0.01	0.11	0.10	42.89	1.74	5.45	7.15
26	3.06	9.00	0.16	0.96	0.17	0.0	0.10	0.10	15.94	3.05	5.36	7.51
27	2.50	5.80	0.44	0.46	1.04	0.0	0.07	0.10	8.80	5.73	5.27	7.82
28	2.32	4.57	0.82	0.30	0.15	0.0	2.06	0.10	5.26	4.23	6.18	7.21
29	1.90		0.31	0.24	0.09	0.0	0.14	20.82	3.63	5.91	7.04	7.27
30	2.06		0.27	0.34	0.41	0.0	0.01	7.27	2.89	6.45	7.40	8.26
31	2.64		0.19		42.46		0.0	1.27		5.81		4.06
AH	3.430	4.934	1.856	1,708	1,689	23.738	1.990	5,585	4.196	2.571	4.318	12.32
CHBS	0.019	0.025	0.010	0.009	0.009	0.129	0.011	0.031	0.023	0.014	0.023	0.06
A AV	0.048	0.287	0.076	0.119	0.230	0.119	0.014	0.028	0.202	0.030	0.036	0.05

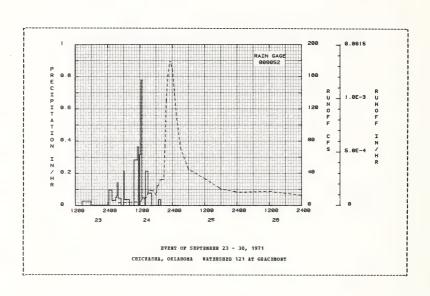
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.0001806. To convert discharge in inches to AC-FT, multiply by 10,982. SIA AV based on 9 yr (1963-71) record period.

71 SELECTED RU				CHICKASHA, OKLAHOMA WATERSHED 121 AT GRACEMONT								
ANTECEDENT CON: Date Rainfal		Date	RAIMPALL Date Time Intensity Acc.				BUHOFF Date Time Bate Acc.					
Ho-Day (inches)		Ho-Day		(in/hr)	(inches)			(cfs)	(inches)			
		EVE	NT OF SEPS	EMBER 23 -	30. 1971							
RG 000052			RG 0000	152								
9-23 0.0		9-23	1428	0.0	0.0	9-24	400	3.500	0.0			
9-24	0.000	3-23	1743	0.0277	0.09	3.24	900	4. 100	0.0001			
7-24	3.000	9-24	27	0.0277	0.11		1218	5, 100	0.0001			
		3 -24	136	0-0957	0.22		1248	9-000	0.0002			
			255	0.0304	0.22		1348	8.500	0.0002			
ATERSHED CONDITION	HC.		233	0.0304	0.20		1540	0.500	0.0003			
om a revised 1971			319	0.0500	0.28		1430	10_600	0.0004			
69.007-1, this			329	0-0600	0-29		1500	17.300	0.0005			
tion): sowed crop	- 10%:		350	0.1429	0.34		1530	18.800	0.0006			
w crop - 12%; alf:			457	0.0448	0.39		1700	18.000	0.0008			
; pasture and ran	ne -		553	0.0	0.39		1800	12.400	0.0009			
%: and miscellane	ons -		233	0.0	0.33			.2.400	0.0009			
35.			607	0.2143	0.44		1823	25, 100	0.0010			
			802	0.0365	0.51		1848	25.000	0.0011			
			945	0.0	0.51		1930	32,300	0.0013			
			1101	0.2842	0.87		2048	32,400	0.0016			
			1124	0.3652	1.01		2118	76,400	0.0018			
			1143	0.0	1.01		2141	130.300	0.0021			
			1221	0.3158	1.21		2218	160,600	0.0028			
			1241	0.7800	1.47		2300	178.900	0.0037			
			1345	0.0469	1.52		2318	178.600	0.0041			
			1400	0.0	1.52		2400	168.900	0.0050			
			1459	0.2136	1.73	9-25	130	111.500	0.0066			
			1618	0.0760	1.83		300	71-700	0.0076			
			1850	0.0	1.83		600	44.700	0.0089			
			1940	0.0360	1.86		1200	33.400	0.0107			
							1800	20.500	0.0119			
							2400	16.500	0.0127			
						9-26	1200	17.300	0.0142			
							2400	12.650	0.0156			
						9-27	1200	8.000	0.0165			
							2400	6.550	0.0172			

NOTES: To convert runoff in CFS to IB/HR, multiply by 0.000007526.

971 SELECTED RUBOFF EVE	FI		CHICK	SHA, OKLAR	OHA WA	TERSHED 12	AT GRACE	THOSE
ANTECEDENT COMDITIONS Date Rainfall Run No-Day (inches) (inc		RAI Time of Day	WFALL Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUMOPI Time of Day	Rate (cfs)	Acc. (inches)
	EVENT O	P SEPTEMBER	23 - 30,	1971 (COI	TIBUED)			
					9-28	1200	5.100	0.0177
					9-29	2400 1200	4.300 3.500	0.0181 0.0185
					9-30	2400 1200	3.200 2.900	0.0188
						2400	2.550	0.0193

HOTES: To convert runoff in CFS to IB/HR, multiply by 0.000007526.



CHICKASHA, OKLAHOMA WATERSHED 513 NEAR TABLER

LOCATION: Bedingfield Watershed is the West branch of East Bitter Creek 1.4 miles above East Bitter Creek gaging station, in Grady County, Okla.; tributary to East Bitter Creek; Washita River; Bed Biver Basin. GAGING STRITON-521/4 sec. 22, T. 7 %, R. 6 %, lat. 35 deg. 03 min. 33 sec. , long. 97 deg. 49 min. 13 sec.

AREA: 12314.00 acres 19.24 sq. miles

HC	HTHL	PRECIP	TATION	AND RUNOF	P (inche	s)		CHICKASHA	, OKLAHO	A WA	TERSHED !	513 HEAR	TABLER	
		Jan	Peb	Sar	Apr	Нау	Jun	Jul	Aug	Sep	Oct	Ho▼	Dec	Appual
1971	P Q	0.61 0.065	1.83	0.12 0.067	0.81 0.062	4.20 0.059	5.83 0.598	2.62 0.009	3.63 0.053	5.57 0.221	5.70 0.820	0.46 0.095	3.13 0.360	34.51 2.492
STA AV	P Q	0.88 0.092	1.30 0.098	1.60 0.150	2.90 0.378	3.57 0.314	2.81 0.264	2.38 0.085	3.83 0.204	4.55 0.252	2.31 0.169	1.09 0.072	1.24 0.111	28.45 2.187
	ABB	DAL MAXIE	UM DISC	HARGE (in,	/hr) AND	MAXIMUM	VOLUME	S OF RUNO	FF (inch	es) FOR	SELECTE	TIME I	NTERVALS	
		Baxis Discha Date B	rge	1 Hour Date Vol		Hours	6 Ho	Volume fo urs 1 Vol. Da	2 Hours	1	Day	2 Day		Days e Vol.
1971		10- 2 (. 111 1	10- 2 0.1	08 10- 2	0.207	10- 2	0.475 10-	2 0.60	3 10- 2	0.659	10-2 0	.692 10-	2 0.724
					1	BAXINUBS	FOR PE	RIOD OF R	ECORD					
		8- 8 0 1965		8- 8 0.10 1965	64 8- 8 1965	0.307	8- 7 1965	0.562 6- 19	14 0.61	1 10- 2 1971	0.659	4-12 0 1967	.754 4- 196	9 0.875

NOTES: saterashed conditions: From a revised 971 servey (p. 65.007-1; this publication); coved crop - 47; alfalfa - 48; the same of the sa

1971	D	AILY PREC	IPITATION	(inches)		CHI	CKASHA, O	KLAHOHA	WATERSHE	D 513 WBA	R TABLER	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Ho∀	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.86	0.0	0.0	0.0	0.0	0.02
2	0.10	0.0	0.05	0.0	0.0	0.81	0.0	0.0	0.0	3.61	0.0	0.53
3	0.51	0.0	0.0	0.0	0.02	0.93	0.0	0.0	0.0	0.13	0.0	0.13
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.08	0.0	0.0	0.0
7	0.0	0.03	0.0	0.0	0.0	1.31	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.83	0.0	0.08	0.02	0.52
9	0.0	0.0	0.0	0.0	0.63	0.25	0.07	0.0	0.0	0.0	0.0	0.14
10	0.0	0.0	0.0	0.0	0.01	0.39	0.0	0.0	0.0	0.0	0.0	0.21
11	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.92	0.0	0.38	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.56	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.58	0.0	0.0	0.0	1. 10
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	1.45	0.02	0.05	0.0
18	0.0	0.22	0.0	0.0	0.10	0.0	0.0	0.0	1.87	0.43	0.0	0.0
19	0.0	0.0	0.0	0.12	0.0	0.0	0.01	0.0	0.09	0.58	0.0	0.0
20	0.0	0.0	0.0	0.08	0.0	0.53	0.0	0.0	0.0	0.13	0.0	0.0
21	0.0	1.50	0.0	0.0	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.03	0.0	0.0	0.14	0.0	0.0	0.0	0.31	0.0
23	0.0	0.0	0.0	0.0	0.99	0.0	0.48	0.0	0.24	0.0	0.04	0.0
24	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.80	0.0	0.0	0.0
25	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0
26	0.0	0.0	0.0	0.23	0.95	0.0	0.0	0.0	0.0	0.69	0.0	0.0
27	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.01	0.0	0.0	0.0	0.01	1.06	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.17	0.0	0.05	0.0	0.01	0.0	0.0	0.0	0.29
30	0.0		0.0	0.0	0.29	0.02	0.0	0.0	0.0	0.03	0.04	0.0
31	0.0		0.0		1.04		0.0	0.0		0.0		0.0
TOTAL	0.61	1.83	0.12	0.81	4.20	5.83	2.62	3,63	5.57	5.70	0.46	3, 13
STA AV	0.88	1.30	1.60	2.90	3.57	2.81	2.38	3.83	4.55	2.31	1.09	1.24

MOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessen weighted average of 18 rain gages on the watershed. STA AV based on 7 yr (1965-71) record period.

1971		SEAN DAILS	DISCHARG	E (cfs)		CHIC	CKASBA, O	KLAHOHA	WATERSHE	D 513 HEAR	TABLER	
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Bo∀	Dec
1	1.48	0.93	1.44	0.93	0.98	15.89	0.06	0.0	0.0	0.44	1.76	1.79
2	1.61	0.93	1.24	0.92	0.84	1.77	2.51	0.0	0.0	185.81	1.69	2.19
3	1.68	1.03	0.98 1.26	0.93	0.83	100.79 5.80	1.32	0.0	0.0	162.24	1.68	2.65
5	0.99	1.04	1.26	1.02	0.85	2.26	0.32 0.16	0.0	0.0	12.75	1.67	2.56
5	0.87	1.04	1.25	1.02	0.77	2.26	0.16	0.0	0.0	4.94	1.59	2.50
6	0.87	0.98	1.10	1.03	0.65	1.21	0.06	0.0	0.0	3.38	1.48	2.68
7	0.88	0.69	1.05	1.02	0.61	1.14	0.03	0.0	0.0	2.52	1.48	2.44
8	0.97	0.68	1.13	0.98	0.68	78.64	0.02	0.0	0.0	2.18	1.58	4.69
9	1.07	0.90	1.14	0.97	1.19	5.82	0.02	0.0	0.0	1.99	1.60	7.40
10	1.09	1.03	1.14	0.98	1.26	3, 11	0.01	0.0	0.0	1.76	1.59	6.49
11	1.13	1.11	1.15	1.02	0.85	3.56	0.00	0.0	0.0	1.54	1.55	4.10
12	1.14	1_04	1.24	0.96	0.58	56.35	0.0	0.0	0.0	1.39	1.60	3.35
13	1.14	1.03	1.24	0.88	0.46	6.10	0.0	0.40	0.0	1.27	1.65	3.04
14	1.13	1.03	1.09	0.89	0.21	3.26	0.0	19.62	0.0	1.20	1.55	34.48
15	1.05	1.03	0.99	1.02	0.09	2.14	0.0	3.98	0.0	1.15	1,53	37.57
16	1.08	1.03	1.02	1.15	0.06	1.57	0.0	1.16	0.0	1.14	1.54	8.20
17	1.13	1.04	0.99	1.30	0.06	1.26	0.0	0.81	0.06	1.21	1.57	5.73
18	1.07	1.17	1.01	1.26	0.04	0.98	0.0	0.41	39.48	1.78	1.48	4.73
19	0.98	1.37	0.93	1.22	0.03	0.80	0.0	0.27	1.21	3.50	1.46	4.57
20	0.98	1.06	0.93	1.30	0.01	0.85	0.0	0.20	0.50	5.49	1.47	4.22
21	1.02	9.88	1.02	1.21	0.00	10-41	0.0	0.15	0.29	2.17	1.55	3.95
22	1.02	3.58	1.04	1.14	0.02	1.73	0.0	0.10	0.17	1.65	1.79	3.83
23	0.99	1.99	1.07	1.08	5.81	1.17	0.0	0.07	0.23	1.54	2.15	3,88
24	1.03	1.65	1.10	1_04	1.84	0.83	0.0	0.06	57.12	1.53	1.93	3.70
25	1.07	1.64	1.23	1.02	0.43	0.61	0.0	0.05	10.72	1.53	1.71	3.69
26	1.03	1.48	1.20	1.00	0.70	0.49	0.0	0.06	1.81	3.20	1.68	3.77
27	0.98	1.42	1.15	1.33	4.60	0.38	0.0	0.06	1.02	6.34	1.68	3.64
28	0.98	1.50	1.18	1.06	0.95	0.29	0.0	0.04	0.70	2,61	1.68	3.47
29	1.03		1.09	1, 17	0.66	0.13	0.0	0.01	0.54	2.26	1.67	4.22
30	1.07		1.04	1.17	0.85	0.05	0.0	0.00	0.49	2.08	1.63	4.88
31	1.02		1.02		3.63		0.0	0.0		1.85		1.98
EAN	1.083	1.549	1,111	1.066	0.985	10.314	0.145	0.886	3.811	13,692	1,633	6.01
CHES	0.065	0.084	0.067	0.062	0.059	0.598	0.009	0.053	0.221	0.820	0.095	0.36
VA AT	0.092	0.098	0.150	0.378	0.314	0.264	0.085	0.204	0.252	0.169	0.072	0.11

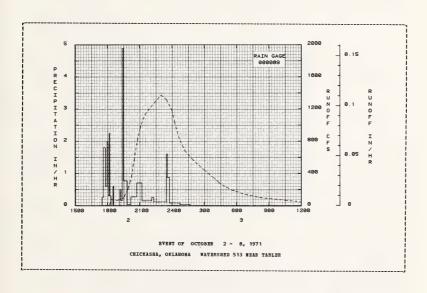
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.001933. To convert discharge in inches to AC-FT, multiply by 1,026. STA AV based on 7 yr (1965-71) record period.

ANTECEDENT CONDITIONS		RA	NPALL			RUEC	PP	
Date Rainfall Runoff		Time	Intensity		Date	Time	Rate	Acc.
Ho-Day (inches) (inches)			(in/hr)	(inches)	No-Day	of Day	(cfs)	(inches)
	202	HT OF OC	TORPR 2 =	8, 1971				
	D V DI			0, 1971				
RG 000089 10-2 0.0 0.001	10- 2	RG 0000	0.0	0.0	10- 2	1741	0.560	0.0
10- 2 0.0 0.001	10- 2	1737	0.0	0.03	10- 2	1800	3.670	0.0001
			1.7999	0.03				
		1749				1811	11.690	0.0002
		1758	0.6000	0.48		1818	40.930	0.0004
		1804	1,9999	0.68		1823	73.400	0.0008
ATERSHED CONDITIONS:		4040	0.0000	0.74		4076	63,540	0.0020
om a revised 1971 survey		1810	0.3000	0.71		1836		
. 69.007-1, this publi-		1814	2.2500	0.86		1900	69.180	0.0042
tion); sowed crop - 4%;		1820	0.3000	0.89		1930	91.920	0.0074
falfa - 1%; pasture and		1831	0.0	0.89		1941	143.950	0.0091
nge - 90%; and miscel-		1835	0.6000	0.93		1953	195.320	0.0119
neous - 5%.		1909	0.0	0.93		2000	240.210	0.0140
		1915	0.5000	0.98		2011	319.188	0.0180
		1923	0. 1500	1.00		2018	395-128	0.0214
		1929	4.9004	1.49		2023	490.500	0-0245
		1951	0.7636	1.77		2030	566.928	0.0295
		1931	0.7030	1.77		2030	300.720	0.0233
		2011	0.0300	1.78		2036	658.948	0.0343
		2044	0.2727	1.93		2048	813.049	0.0461
		2113	0.7034	2.27		2106	987.308	0.0679
		2207	0.1444	2.40		2130	1132.878	0.1023
		2219	0.2500	2.45		2230	1300.520	0.2003
		2329	0.1114	2.58		2300	1374.568	0.2542
		2335	1.5999	2.74		2330	1315-128	0.3084
		2346	0.8727	2.90		2400	1182,609	0.3587
	10 - 3	44	0.0828	2.98	10- 3	18	1007.958	0.3849
		142	0.0310	3.01		41	831.398	0.4133
						111	681,628	0.4438
						200	560.550	0.4848
						300	442.520	0.5252
						900	330.370	0.5563
						430	270.878	0.5684

HOTES: To convert runoff in CFS to IN/HR, multiply by 0.00008054.

A NT BCE	BET COMDIS	IOBS		BAT	BFALL			RUNO	· p	
Date Eo-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	OCTOBER	2 - 8,	1971 (CO)	MTINUED)			
							10- 3	530	195.320	0.5872
								636	143.950	0.6022
								811	96.980	0.6175
								1030	65.120	0.6326
								1330	44.570	0.6459
								1800	30.670	0.6595
								2400	22,230	0.6723
							10- 4	1200	11.950	0.6888
								1800	7.730	0.6936
								2400	6-220	0.6970
							10- 5	1200	4.760	0.7023
							3	2400	4.035	0.7065
							10- 6	1200	3.310	0.7100
							0	2400	2.880	0.7100
							10- 7	1200	2.450	0.7156
								1200	2.450	0. / 156
								2400	2.310	0.7179
							10-8	1200	2,170	0.7201

MOTES: To convert runoff in CFS to IM/HE, multiply by 0.00008054.



CHICKASHA, OKLAHOMA WATERSHED 311 NEAR POCASSET

LOCATION: Salt Creek Watershed 1/2 mile East of U.S. highway 81 mear Pocasset, in Grady County, Okla.; tributary to Washita River; Red River Basin. GAGING STATION--FW1/4 sec. 28, T. 8 N., R. 7 W., lat. 35 deg. 08 min. 44 sec., long. 97 deg. 57 min. 30 sec.

AREA: 15206.00 acres 23.76 sq. miles

MO	NTBLY	PRECIPS	TATION	AND RUNOR	P (inche	s)	C	HICKASHA,	OKLAHOMA	WATE	SHED 31	HEAR	POCASSET	
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Rov	Dec	Annual
1971	P Q	1.13 0.009	1.30 0.012	0.02 0.004	0.97 0.013	5.14 0.165	6.68 1.529	2.63 0.005	2.53 0.020	3.86 0.080	3.07 0.155	0.85 0.005	2.41 0.065	30.59 2.063
STA AV	P Q	0.82 0.010	0.96 0.010	1.46 0.018	3.62 0.606	4.65 0.612	3.86 0.464	1.87 0.005	2.23 0.010	4.04 0.039	2.38 0.109	1.23 0.023	1.06 0.020	28.17 1.927
	ANNU	AL MAXIM		CHARGE (is	/hr) AND				OFF (inch				INTERVALS	
		Discha Date B	rge	1 Hour Date Vol		Hours Vol.	6 B	ours	12 Hours ate Vol.	1	Day	2 Da Date		8 Days te Vol.
1971		6-3 0	.056	6-3 0.0	56 6- 3	0.110	6- 3	0.313 6	- 3 0.49	4 6- 2	0.575	6- 2	0.595 5-	31 1.143
						MAXIBUES	FOR P	ERIOD OF	RECORD					
		4-12 0 1967	.320	4-12 0.3 1967	14 4-12 1967	0.600	4-12 1967		-12 1.31 967	4-12 1967	1.338	4-12 1967		9 1.720 67

NOTES: satershed conditions: From a revised 1971 sarvey (p. 69.007-1, this publication); sowed crop - 36%; row crop representations of the same properties of th

1971	D	ILY PREC	IPITATION	(inches)		CHICK	ASHA, OKL	M VROHY	ATERSHED	311 NEAR 1	POCASSET	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.04	0.0	0.33	0.0	0.0	0.0	0.02	0.04
2	0.14	0.0	0.02	0.0	0.0	1.05	0.0	0.0	0.0	1.27	0.0	0.36
3	0.99	0.0	0.0	0.0	0.01	0.94	0.0	0.0	0.0	0.0	0.0	0.08
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	1.29	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.78	0.0	0.02	0.02	0.32
9	0.0	0.0	0.0	0.0	0.88	0.48	0.0	0.0	0.0	0.0	0.0	0.10
10	0.0	0.0	0.0	0.0	0.01	0.68	0.0	0.0	0.0	0.0	0.0	0.08
11	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.22	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.26	0.0	0.0	0.0	0.98
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.91	0.04	0.25	0.0
18	0.0	0.32	0.0	0.0	0.11	0.0	0.0	0.0	0.90	0.51	0.0	0.0
19	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.02	0.37	0.0	0.0
20	0.0	0.0	0.0	0.03	0.0	0.33	0.0	0.0	0.0	0.12	0.0	0.0
21	0.0	0.92	0.0	0.0	0.0	1.64	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.47	0.0
23	0.0	0.0	0.0	0.0	0.47	0.0	1.25	0.0	0.15	0.0	0.04	0.0
24	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	1.85	0.0	0.0	0.0
25	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
26	0.0	0.0	0.0	0.24	1.85	0.0	0.0	0.0	0.0	0.60	0.0	0.0
27	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.01	0.0	0.04	0.0	0.0	0.92	0.01	0.0	0.0	0.0	0.15
29	0.0		0.0	0.01	0.0	0.0	0.01	0.12	0.0	0.11	0.0	0.33
30	0.0		0.0	0.0	0.24	0.03	0.0	0_0	0.0	0.03	0.05	0.0
31	0.0		0.0		1.43		0.0	0.0		0.0		0.0
TOTAL	1, 13	1.30	0.02	0.97	5.14	6.68	2.63	2.53	3.86	3.07	0.85	2.41
STA AV	0.82	0.96	1.46	3.62	4.65	3.86	1.87	2,23	4.04	2.38	1.23	1.06

NOTES: For daily air temperatures in the vicinity, see table for Watershed W-700, (69.007) of this publication. Precipitation values are a Thiessen weighted average of 9 rain gages on the watershed. STA AV based on 5 yr (1967-71) record period.

197	1 1	SEAN DAIL	DISCHARG	E (cfs)		CHICKA	SHA, OKL	HONA W	ATERSHED	311 BEAR P	OCASSET	
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	HOA	Dec
1	0.22	0.09	0.07	0.05	0.19	134.82	0.16	0.05	0.0	0.21	0.13	0.24
2	0.23	0.10	0.06	0.05	0.20	12.75	0.13	0.04	0.0	36.18	0.11	0.36
3	0.99	0.12	0-07	0.05	0.17	361.15	0.11	0.01	0.0	52.50	0.09	0.49
45	0.63	0.13	0.05	0.05	0.15	11.23	0.09	0.01	0.0	2.46	0.09	0.44
5	0.43	0.10	0.07	0.05	0.12	3.12	0.06	0.00	0.12	0.85	0.08	0.40
6	0.28	0.08	0.11	0.06	0.06	1.40	0.05	0.00	0.06	0.39	0.05	0.37
7	0.21	0.08	0.12	0.06	0.04	22.23	0.04	0.01	0.73	0.24	0.06	0.37
8	0.17	0.08	0.08	0.06	0.04	167.38	0.03	1.83	1.04	0.20	0.06	0.50
9	0.17	0.08	0.08	0.06	0.06	20.06	0.03	0.30	0.15	0.15	0.08	0.93
10	0.14	0.10	0.08	0.06	0.06	8.38	0.03	0.02	0.02	0.13	0.08	0.79
11	0.12	0.10	0.08	0.06	0.06	50.02	0.02	0.01	0.00	0.11	0.08	0.53
12	0.12	0.10	0.08	0.06	0.03	9.48	0.01	0.01	0.0	0.12	0.08	0.37
13	0.09	0.06	0.08	0.06	0.02	4.77	0.01	0.02	0.17	0.18	0.08	0.30
14	0.09	0.06	0.06	0.05	0.04	2.09	0.00	2.13	0.06	0.16	0.09	2.14
15	0.07	0.06	0.05	0.06	0.02	0.93	0.0	4.96	0.01	0.15	0.09	21.35
16	0.08	0.06	0.06	0.08	0.01	0.51	0.0	2.25	0.00	0.13	0.09	3.80
17	0.12	0.06	0.06	0.08	0.01	0.36	0.0	0.66	0.06	0.14	0.11	1.44
18	0.12	0.72	0.07	0.06	0.00	0.26	0.0	0.20	0.96	0.19	0.09	0.74
19	0.10	0.15	0.06	0.06	0.0	0.20	0.0	0.07	0.29	0.22	0.09	0.57
20	0.11	0.01	0.06	0.06	0.0	0.19	0.0	0.02	0.11	0.31	0.09	0.48
21	0.13	2.95	0.08	0.06	0.0	151.34	0.0	0.01	0.04	0.16	0.10	0.41
22	0.12	0.58	0.08	0.06	0.00	9.06	0.00	0.01	0.01	0.17	0.13	0.39
23	0.12	0.41	0.08	0.06	0.01	2.55	1.08	0.01	0.02	0.17	0.17	0.37
24	0.10	0.33	0.08	0.06	0.03	1.15	0.33	0.01.	25.45	0.15	0.20	0.36
25	0.10	0.32	0.10	0.06	0.01	056	0.10	0.01	19.13	0.13	0.22	0.36
26	0.10	0.43	0.10	4.70	14.42	0.33	0.04	0.01	1.67	0.61	0.20	0.36
27	0.10	0.29	0.10	1.91	63.98	0.23	0.01	0.01	0.59	1.04	0.17	0.36
28	0.10	0.13	0.10	0.18	3.72	0.16	0.38	0.01	0.20	0.59	0.15	0.33
29	0.12		0.08	0.16	1.07	0.15	0.05	0.00	0.10	0.48	0.16	0.47
30	0.13		0.08	0.12	0.37	0.14	0.05	0.0	0.08	0.26	0.20	1.11
31	0.12		0.08		20.76		0.05	0.0		0.17		0.52
BEAN	0.185	0.278	0.078	0.285	3.408	32.566	0.093	0.409	1.702	3.193	0.114	1.344
INCHES	0.009	0.012	0.004	0.013	0.165		0.005	0.020	0.080	0.155	0.005	0.065
STA AV	0.010	0.010	0.018	0.606	0.612	0-464	0.005	0.010	0.039	0.109	0.023	0.020

NOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.001565. To convert discharge in inches to AC-FT, multiply by 1,267. STA AV based on 5 yr (1967-71) record period.

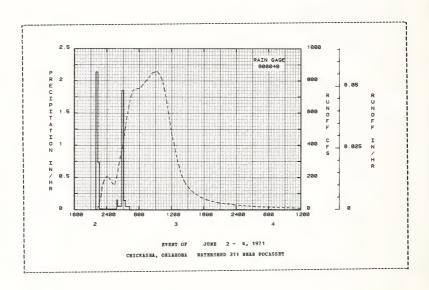
971 SELECTED BUNGS	P EVENT				A, OKLAHOP			NEAR POCAS	SET
ASTECEDENT COMDIT	IONS Runoff	Date	RA Time	INPALL		Date	RUBCI	FF Rate	Acc.
Ho-Day (inches)	(inches)			(in/hr)					(inches)

		EVE	T OF	JUNE 2 -	4, 1971				
RG 000040			EG 000						
6-2 0.0	0.007	6- 2	2200	0.0	0.0	6- 2	2206	2.510	0.0
			2223	2.1391	0.82		2218	4.130	0.0
			2241	0.7334	1.04		2223	11.160	0.0
		6-3	153	0.0094	1.07		2230	20.820	0.0001
			201	0.1500	1.09		2236	36.570	0.0003
WATERSHED CONDITIONS:									
Prom a revised 1971 st			247	0.0522	1.13		2248	59.880	0.0009
(p. 69.007-1, this pub	li-		311	1.8500	1.87		2300	86.390	0.0019
cation); sowed crop -			328	0.1412	1.91		2306	116.360	0.0026
row crop - 1%; alfalfs	- 3%:		418	0.0480	1.95		2311	142.490	0.0033
pasture and range - 49	%: and						2323	165,680	0.0053
miscellaneous - 11%.									
							2336	185, 160	0.0078
							2400	207.390	0.0129
						6-3	11	208.310	0.0154
							30	196.580	0.0196
							100	166.510	0.0255
							123	155, 900	0.0295
							136	164.030	0.0318
							153	202.860	0.0352
							206	243.290	0.0384
							218	284.810	0.0418
							210	204.010	0.0410
							236	337.020	0.0479
							300	391.830	0.0574
							311	443.840	0-0624
							330	514.860	0.0723
							348	581.830	0.0723
							340	301.030	0.0030
							411	650.850	0.0984
							430	704-438	0.1124
							500	747.050	0.1124
							600	753-448	0.1361
							630	766.330	0.1850
							630	700.330	0.2098

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.00006522.

1 SEI	LECTED RUNOI	E 947B7							WEAR POCAS	
ASTECE	DENT COMDIT	CIONS		RA3	NPALL			RUBOI		
Date Ho-Day	Rainfall (inches)	(inches)	No-Day	of Day	Intensity (in/hr)	(inches)	Date Ho-Day	of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	JUNE	2 - 4,	1971 (CO	TINUED)			
							6- 3	730	808.860	0.2612
								830	850.688	0.3153
								900	855.780	0.3431
								918	859.168	0.3599
								948	840.570	0.3876
								1018	803.898	0-4144
								1048	731, 138	0.4394
								1111	658.388	0.4568
								1130	591.888	0.4697
								1148	524.398	0.4806
								1206	461.810	0.4902
								1230	408.850	0.5016
								1248	355, 270	0.5091
								1306	310.428	0.5156
								1330	260.158	0.5230
								1353	212.900	0.5289
								1418	183.430	0.5343
								1441	158, 320	0.5386
								1523	128.870	0.5452
								1611	102.720	0.5512
								1730	75,440	0.5589
								1900	55.860	0.5653
								2100	40.280	0.5716
								2400	27.730	0.5783
							6- 4	430	16.390	0.5848
								1030	9.830	0.5899

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.00006522.



CHICKASHA, OKLAHOBA WATERSHED C-1

LOCATION: Grady County, Oklahoma; SW 1/4 sec. 26, R. 7 W., T. 7 W., about 2 miles Southeast of Chickasha, Oklahoma;

AREA: 17.83 acres

HO	NTHL	Y PRECIP	ITATION	AND RUNG	FF (inche	s)		CB	ICKASHA,	OKLAHOM	WATE	RSHED C-	1	
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	No∀	Dec	Annual
1971	P Q	0.45	2.03 0.006	0.16 0.0	0.41	4-62 0-177	4.35 0.873	1.77	2.90 0.094	5.65 0.931	4.98 1.793	0.56 0.0	2.91 0.532	30.79 4.405
STA AV	P Q	0.81	1.17 0.002	1.70 0.006	2.61 0.038	3.59 0.302	2.57 0.245	1.76 0.049	3.90 0.432	4-20 0-377	2.07 0.314	1.05 0.129	1.04 0.076	26.49 1.969
	DHHA	JAL HAXI	MUM DISC	CBARGE (i	in/hr) ABD	HAXIED	M VOLUM	S OF RUN	OFF (inc)	nes) FOR	SELECTE	D TIME I	NTERVALS	
		Baxi Disch Date	arge	1 Hour	ol. Date		6 H	ours	or Select 12 Hours ate Vol.	1			s &	B Days
1971		10- 2	0.078	10-2 0.	077 10- 2	0. 152	10- 2	0.445 10	- 2 0.81	14 10- 2	1.308	10- 2 1	.667 9-2	28 1.706
						BAXIEUE	S FOR P	ERIOD OF	RECORD					
		4-12 1967	0.081	10-2 0. 1971	.077 10- 2 1971		10- 2 1971		- 2 0.81 971	14 10- 2 1971	1,308	10- 2 1 1971	-667 9-2 19	28 1.706 71

NOTES: Watershed conditions: Continuous cottom - tillage during fallow period consisted of shredding stalks, disking, chiseling, spring-tooth harrowing and spike-tooth harrowing. Cottom was planted during mid-Jone. Tillage per 100 feet was minimised during the growing season by use of fined cultivate. For some results of the period feet was minimised during the growing season by use of fined cultivate. For some results of the period feet was minimised during the growing season by use of fined cultivate. For some results of the period feet was results of the period of the period feet of the perio

1971	Di	ALLY PREC	PITATION	(inches)			CHICKAS	SHA, OKLA	BOMA WA	TERSHED C-	-1	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	λug	Sep	Oct	Ho∀	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.04
2	0.07	0.0	0.01	0.0	0.0	0.06	0.0	0.0	0.0	3.19	0.0	0.58
3	0.38	0.0	0.0	0.0	0.05	1.14	0.0	0.0	0.0	0.08	0.0	0.03
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.16
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	00	0.0
7	0.0	0.01	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.02	0.0	00	0.85	0.0	0.03	0.01	0.60
9	0.0	0.0	0.0	0-0	0.65	0.20	0.13	0.0	0.0	0.0	0.0	0.16
10 ,	0.0	0.0	0.0	0.0	0.0	0.12	00	0.0	0.0	0.0	00	0.20
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	00	0.66	00	0.02	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.88
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.45	0.01	0.06	0.0
18	0.0	0.56	0.0	0.0	0.06	0.0	0.0	0.0	1.86	0.27	0.0	00
19	0.0	0.0	0.0	0.10	0.0	0.0	0.03	0.0	0.11	0.87	0.0	0.0
20	0.0	0.02	0.0	0.02	0.0	1.25	0.0	0.0	0.0	0., 05	0.0	0.0
21	0.0	1.39	0.0	0.0	0.0	0.43	00	0.0	0.0	0.0	0.0	0.0
22	0.0	00	0.0	0.03	00	0.0	0_17	0_0	0.0	0.0	0.41	0.0
23	0.0	0.0	0.0	0.0	0.60	0.0	0.41	0.0	0 → 25	0.0	0.02	0.0
24	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	1.96	0.0	0.0	0.0
25	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0 0	0.02	0.0	0.0	0.0
26	0.0	0.0	0 0	0.0	0.84	0.0	00	0.0	0.0	0-47	0.0	0.0
27	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	00	0.04	0.0	0_0	0.0	0.0	0.92	0.05	0.0	0.0	0.0	0.0
29	0.0		0.0	0.03	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.26
30	0.0		0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.01	0.06	0.0
31	0.0		0.0		1.87		0.0	0.0		0.0		0.0
TOTAL	0.45	2.03	0.16	0.41	4.62	4.35	1-77	2.90	5.65	4.98	0.56	2.91
STA AV	0.81	1, 17	1.70	2.61	3.59	2.57	1.76	3.90	4-20	2.07	1.05	1.04

HOTES: Values obtained from one recording rain gage, No. 173. STA AV based on 7 yr (1965-71) record period.

197	1	BEAN DAILS	DISCHAR					SHA, OKLAR		ERSHED C	-1	
Da y	Jan	Feb	Mar	Apr	Ħay	Jun	Jul	Aug	Sep	Oct	How	Dec
1	0.0	00	0.0	0.0	0.0	0.187	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0-0	0.0	0.0	T 0.0	0.0	0.0	0.0	0.232	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.441	0.0	0.0	0.0	0.858	0.0	0.0
5	0.0	0.0	0.0	0-0	0.0	0-002	0.0	0.0	0.0	0.175 0.015	0.0	0.0
6	00	00	0_0	0.0	0.0	00	0.0	0-0	0_0	0.0	0.0	0.0
7	0.0	0_0	0_0	0.0	0.0	0-0 T	0.0	0-0	0.0	0.0	0.0	0.0
å	0.0	0.0	0.0	0.0	0.0	T 0.0	0.0	0-0 T	0.0	0.0	0.0	0.047
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.055
10	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.061
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.012
12	0.0	00	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.001
13	0.0	00	0 0	0.0	0.0	0.0	0.0	0.018	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0-0	0.0	0.043	0.0	0.0	0.0	0.067
15	0_0	0.0	0.0	0_0	0.0	0_0	0_0	0.009	0.0	0.010	0.0	0.131
16	0.0	0.0	0.0	0_0	0.0	0.0	0-0	0.0	0.0	0.049	0.0	0.022
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.004	0.0	0.002
18	0_0	0_0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.076	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0001	0.0	00	0.0	0.0	0.0	0.0
21	0.0	0.004	0.0	0.0	0.0	0.017	0.0	00	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	00	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.271	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.326	0.0	0.0	0.0
26	00	00	0.0	0.0	0.001	0.0	0.0	0.0	0.019	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 29	0.0	0., 0	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
31	0.0		0.0	***	0.132	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EAN	0.0	0_0002	0.0	0.0	0.0043	0.0218	0.0	0.0023	0.0232	0.0433	0.0	0.0129
HCHES	0.0	0.006	0.0	0.0	0., 177	0.873	0.0	0.094	0.931	1.793	0.0	0.532
TA AV	0.0	0-002	0.006	0.038	0.302	0.245	0.049	0.432	0.377	0-314	0.129	0.076

NOTES: To convert discharge in CFS to IB/DAY, multiply by 1.334922. STA AV based on 7 yr (1965-71) record period.

CHICKASHA, OKLAHOBA WATERSHED C-2

LOCATION: Grady County, Oklahoma; SE 1/4, sec. 4, E. 8 W., T. 7 M., about 6 miles West and 4 miles North of Chickasha Oklahoma; Washita Biver Basin.

AREA: 32.54 acres

					BOPP (i					ICKASHA, C			RSHED C			
		Jan	Feb	Har	Apr		May	Jun	Jul	Aug	Sep	Oct	Boa	Dec		Appual
1971	P Q	1.05	1.46 0.0	0.01 0.0	0.3		4.49 0.002	3.35 0.001	3.10 0.002	3.94 0.002	4-07 0-001	4.81 0.034	0.53	2.6		29.79 0.043
TA AV	P Q	0.71	1.04	1.40	2.7 0.0		3.45 0.074	3.02 0.061	1.79 0.000		3.57 0.004	1.73 0.006	1.59 0.0	0.9		24.67 0.191
	ANNU	JAL MAXI	aus DIS	CHARGE	(in/hr)	AND E	MAXIMUM	AOLUME	S OF RUN	OFF (inche	s) FOR	SELECTE	D TIME	IBTERV	ALS	
	ANNE	Baxi Disch	inum arge	1 Bo	our	2 Ho	ours	laximum 6 Ho	Volume fours	or Selecte	d Time	Interva Day	1 2 Da	ıys	8 :	Days
	ANNE	Saxi	inum arge		our	2 Ho		laximum 6 Ho	Volume fours	or Selecte	d Time	Interva	1 2 Da	ıys	8 :	Days Vol.
1971		Baxi Disch Date	mum arge Eate	1 Ho Date	vol.	2 Ho Date	ours Vol.	aximum 6 Ho Date	Volume fours	or Selecte	d Time 1 Date	Interva Day Vol.	1 2 Da Date	ys Vol.	8 ! Date	Vol.
1971		Baxi Disch Date	mum arge Eate	1 Ho Date	vol.	2 Ho Date	vol.	Aximum 6 Ho Date	Volume fours	or Selecte 12 Hours ate Vol.	d Time 1 Date	Interva Day Vol.	1 2 Da Date	ys Vol.	8 ! Date	Vol.

NOTES: Waterahed conditions: 100% cropland. Intire waterahed seeded to wheat in the fall of 1970 and harrested in mid-lune 1971. For general description and map of waterahed, see Hydrologic bat for Experimental Agricultural Wateraheds in the United States, 1965, USDA Bisc. Pub. 1216, pp. 69.31-1 and 69.31-3. Bonathly precipitation values obtained from one weighting type rain gage, No. 174. Precipitation and rusoff records began 1, 1962. STA NV based on 10 pr. (1962-71) record period. For long-time precipitation records, see National Weather Service records at Chickasha, Okla.

197	1 D	AILY PREC	IPITATION	(inches)			CBICKA	SBA, OKLAI	HONA WA	IERSHED C-	-2	
Day	Jan	Feb	äar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.01	0.0	0.34	0.0	0.0	0.0	0.0	0.03
2	0.09	0.0	0.01	0.0	0_0	0.03	0.0	0.0	0.0	3.36	0.0	0.54
3	096	0.0	0.0	0.0	0.05	020	0.0	0.0	0.0	0.02	0.0	0.06
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10
6	00	0.0	0.0	0.0	0_0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
8	00	0.0	0.0	0.0	0.01	0.0	0.0	0.72	0.0	0.01	0.01	0_41
9	0.0	0.0	0.0	0.0	0.45	0.35	0.0	0.0	0.0	0.0	0.0	0.10
10	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.11
11	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.01	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.02	00	0.09	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.77	0.0	0.0	0.0	1.14
15	0.0	0.0	0.0	00	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.14	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0., 0	0.0	0.0	0.0	0.0	0.98	0.01	0.03	0.0
18	0.0	0.38	00	0.0	0.08	0.0	0.0	0.0	1.11	0.49	0.0	0.0
19	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.03	0.34	0.0	0.0
20	9.0	001	0.0	0.03	0.0	0.27	0.0	0.0	0.0	0.06	0.0	0.0
21	0.0	1.03	0.0	0.0	0.0	0.79	0_0	0.0	0.0	0.0	0-0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.42	0.0
23	0.0	0.0	0.0	0.0	0-42	0.0	1.64	0.0	0.31	0.0	0.03	0.0
24	0.0	0.02	0.0	0.0	0_0	0.0	0.0	0.0	1.61	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	00	0.0
26	0.0	0.0	0.0	0.0	0.59	00	0.0	0.0	0.0	0-46	00	0.0
27	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.03	0.0	0.0	0.95	0.66	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.05	0.0	0.02	0.65	0.0	0.04	0.0	0.16
30	0.0		0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.02	0.04	0.0
31	0.0		0.0		2.29		0.0	0.0		0.0		0.0
OTAL	1.05	1,46	0.01	0.32	4.49	3.35	3.10	3.94	4.07	4.81	0.53	2.66
TA AV	0.71	1.04	1.40	2.70	3, 45	3.02	1.79	2.75	3.57	1.73	1,59	0.92

NOTES: Values obtained from one weighting type rain gage, No. 174. STA AV based on 10 yr (1962-71) record period.

197	1	MEAN DAI	LY DISCHAE	GE (cfs)			CHICKA	SBA, OKLA	EOMA WA	IBRSHED C	-2	
Da y	Jan	Feb	Bar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0 T	00	00	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.044	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	T 0.0	0.0	0.0	0.0	0.002	0.0	0.0
4	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0., 0 T	0.0	00	0.0	0.0	0.0	0.0
8	0.0	00	0.0	00	0.0	0.0 T	0.0	0.001	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0_0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	00	0.0	0.0	0.0	T 0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	T 0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0_0	0.0	00	0.0	0.0	0.0	0.0
14	0.0	0.0	00	0.0	0.0	0.0	0.0	0_002	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0 0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0 1	0.0	0.0	0.0
19	0.0	0.0	0_0	0.0	0_0	00	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	00	00	0.0	0.0	0.0	0.0
23	0.0	00	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	00	0.0 T	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0 0		0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0003		0.0	00		0.0		0.0
EAN	0.0	0.0	00	0.0	0.0001	0_0001	0.0001	0.0001	0.0001	0.0015	0.0	0.0
NCHES	0.0	0.0	0.0	00	0.002	0.001	0.002	0.002	0.001	0.034	0.0	0.0
VA AT	0.0	0.0	0.0	0.024	0_074	0.061	0.000	0.004	0.004	0.006	0.0	0.01

NOTES: To convert discharge in CFS to IM/DAY, multiply by 0.731458. STA AV based on 10 yr (1962-71) record period.

CHICKASHA, OKLABONA WATERSHED C-3

LOCATION: Grady County, Oklahoma; WE 1/4 sec. 35, R. 7 W., N. 7 W., about 2-1/2 miles Southeast of Chickasha, Oklahoma: Washita River Basin.

AREA: 44.26 acres

80	STHLE	PRECIP	ITATION	AND RUNO	PP (inche	s)		CE	ICKASHA,	OKLAHOH	WATE	RSHED C-	-3	
		Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.51	2.01 0.041	0.18 0.0	0.42 0.0	4.73 0.961	3.66 0.775	1.58 0.001	2.90 0.206	5.70 0.966	5.03 1.856	0.59 0.0	2.63 0.208	29.94 5.014
STA AV	P Q	0.76 0.009	1.24	1.76 0.043	2.63 0.347	3.56 0.587	2-24 0-446	2.05 0.285	2-97 0-519	4.15 0.529	2.07 0.335	1.00 0.084	0.99 0.030	25.42 3.226
	ANHU	AL HAXI	MUM DISC	HARGE (i	hr) AND	MAXIMU	NOLUEE	S OF RUB	OFF (inc	es) FOR	SELECTE	D TIME I	NTERVALS	
		Baxi							or Select					
		Maxi Disch Date	arge	1 Hour		Hours Vol.	6 Ho	urs	or Select 12 Hours ate Vol.	1			's 8	B Days te Vol.
1971		Disch	arge Rate	Date Vo		Wol.	6 Ho Date	urs Vol. D	12 Hours ate Vol.	1 Date	Day Vol.	2 Day Date V	s 8	te Vol.
1971		Disch Date	arge Rate	Date Vo	l. Date	Wol.	6 Ho Date	urs Vol. E	12 Hours hate Vol.	1 Date	Day Vol.	2 Day Date V	s 8	te Vol.

NoTES: Watershed conditions: 100% cropland, previously graded and smoothed for row irrigation. Entire watershed disked and moldboard plowed 8-10 inches deep in mid-Dec. 1970. Spring preplanting tiliage consisted of disking, spring-tooth harrowing, incorporating fertilizer and herbicide. Entire watershed planted to cotton during early graded and the state of the state

1971	Di	MILY PRECI	PITATION	(inches)			CHICKAS	SHA, OKIA	OHA RA	TERSHED C	-3	
Day	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Ho♥	Dec
1 2 3	0.0 0.07 0.44	0.0 0.0 0.0	0.0 0.02 0.0	0.0 0.0 0.0	0-0 0-0 0-04	0.0 0.22 0.74	0.14 0.0 0.0	0-0 0-0 0-0	0.0 0.0 0.0	0.0 3.28 0.09	0.0 0.0 0.0	0.04H 0.62H 0.04H
5	0.0	0.0	0_0 0_0	0.0	0., 0 0., 0	0.0	0.0	0.0 0.0	0.0	0.0	0.0	0.0 0.18
6 1 7 1 8 9 1 10	0.0 0.0 0.0 0.0 0.0	0.0 0.01 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.02 0.69 0.0	0.0 0.44 0.0 0.23 0.10	0.0 0.0 0.0 0.14 0.0	0.13 0.03 0.77 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.03 0.0 0.0	0.0 0.0 0.02 0.0 0.0	0.0 0.0 0.49 0.15 0.15
11 12 13 14 15	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0-0 0-0 0-0 0-0 0-0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.01 0.82 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.02 0.88 1.00 0.01	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.72 0.0
16 17 18 19 20	0-0 0-0 0-0 0-0	0.0 0.0 0.56 0.0 0.01	0.0 0.0 0.0 0.0	0.21 0.02 0.0 0.04 0.04	0.0 0.0 0.05 0.0	0.0 0.0 0.0 0.0 1.10	0.0 0.0 0.0 0.0 0.03	0.0 0.0 0.0 0.0	0.0 1.57 1.94 0.09	0.0 0.02 0.27 0.80 0.06	0.0 0.10 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
21 22 23 24 25	0.0 0.0 0.0 0.0	1.39N 0.0 0.0 0.01 0.01	0.0 0.0 0.0 0.0 0.16	0.0 0.05 0.0 0.0 0.0	0.0 0.0 0.70 0.0	0.0 0.0 0.0 0.0	0.0 0.15 0.42 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.26 1.80 0.04	0.0 0.0 0.0 0.0	0.0 0.40 0.01 0.0	0.0 0.0 0.0 0.0
26 27 28 29 30 31	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.03N	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.06 0.0	0.96 0.21 0.0 0.01 0.35 1.70	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.70 0.0 0.0 0.0	0.0 0.0 0.02 0.04 0.0	0.0 0.0 0.0 0.0 0.0	0.46 0.0 0.0 0.0 0.0 0.02	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.24 0.0
TOTAL STA AV	0.51 0.76	2.01 1.24	0.18 1.76	0-42 2-63	473 356	3.66 2.24	1.58 2.05	2.90 2.97	5.70 4.15	5.03 2.07	0.59 1.00	2.63 0.99

NOTES: Precipitation values obtained from two recording weighting type rain gages, No. 186 and Cotton Research Station gage. STA AV based on 7 yr (1965-71) record period.

197	1	MEAN DAIL	T DISCHAR	GE (cfs)			CHICKA	SHA, OKLA	HOMA WAS	BESHED C-	-3	
Da y	Jan	Feb	Har	Mpr	Hay	Jun	Jul	λug	Sep	0ct	Bo₹	Dec
1	0.0	0.0	00	0.0	0.0	0.187	0.0	0.0	0.0	0.0	0.0	0_0
2	0.0	0.0	0_0	0.0	0.0	0.002	0.0	0.0	0.0	1.908	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0-744	0.0	0.0	0.0	1.908	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
5	0.0	0.0	00	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	00	0.0	0.0
8	0.0	0.0	0.0	0_0	0.0	0.001	0.0	0-024	0.0	0.0	0.0	0.056
9	0.0	0.0	0.0	0.0	0.0	0.001	0_0	0.0	0.0	0.0	0.0	0.00
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.018
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.093	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-152	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.196	0.0	0.0	0.0	0.26
15	0.0	0.0	0.0	00	0.0	00	0_0	0.011	0.0	0.0	0.0	0.050
16	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0_0	0.0	00	0.0	0.0
17	0.0	0_0	0.0	0.0	0.0	0.0	00	0.0	0005	0.0	0.0	0.0
18	0.0	0., 004	0.0	0.0	0.0	0.0	0.0	0.0	0.342	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.139	0.0	0.0
20	0.0	0.0	0 0	0.0	0.0	0.031	0.0	0.0	0.0	0.023	0.0	0.0
21	0.0	0.064	0.0	0.0	0.0	0.375	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.001	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	00	0.0
23	0.0	T 0.0	0.0	0.0	0.014	00	0.0	00	0.0	0.0	0.0	0.0
24	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	1.426	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.023	0.0	0.0	0.0
26	0.0	0.0	00	0.0	0,031	0., 0	0.0	0.0	0.0	0.046	0.0	0.0
27	0.0	0.0	0.0	0.0	0.042	0.0	0.0	0.0	0.0	0.005	0.0	0.0
28	0.0	0.0	00	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
30	0.0		0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		1.700		0.0	0.0		0.0		0.0
EAN	0.0	0.0027		0.0	0.0577	0.0480	0.0001	0-0124	0.0599	0.1113		0.012
			0.0	0.0				0.206	0.966	1.856	0.0	0.2
VA AT	0.009	0-012	0.043	0.347	0.587	0.446	0.285	0.519	0-529	0.335	0.084	0.0

NOTES: To convert discharge in CFS to IM/DAY, multiply by 0.537769. STA AV based on 7 yr (1965-71) record period.

CHICKASHA, OKLAHOMA WATERSHED C-4

LOCATION: Grady County, Oklahoma; NE 1/4, sec. 35, R. 7 W., T. 7 N., about 2-1/2 miles Southeast of Chickasha, Oklahoma; Washita River Basin.

ARPA: 29.93 acres

BC	HTHL:	PRECIP	ROITATI	AND RUBOR	F (inche	s)		CHIC	KASHA, C	KLVHOW	WATE	RSHED C	-4	
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	₩ov	Dec	Annual
	P	0.50	1.94	017	0_46	4-65	4.07	1.55	2.88	5, 60	4.88	0.58	2.63	29.91
1971	Q	0.0	0.025	0_0	00	0.793	0.541	0.0	0., 166	0.518	1.720	0.0	0.125	3.888
STA AV	P	0.77	1.23	1.78	2,59	3.60	2.32	2.06	3.01	4.13	2.06	0.98	1.01	25.54
	Q	0.003	0.009	0-027	0 189	0.532	0-298	0.274	0.389	0.330	0.278	0.084	0.018	2.432
	ANNI	GAL HAXI	MUM DISC	HARGE (in	/hr) AND	MAXIMU	AOLUBE	S OF RUNOS	F (inch	es) FOR	SELECTE	D TIME	INTERVALS	
	ANH	DAL MAXI	 	HARGE (in			daxious	Volume for			Interva	1		8 Days
	ANN	 Eaxi	mum arge		2 1		daximum 6 Ho	Volume for	Selecte	ed Time	Interva	1	ys	
1971	HKA	Maxi Disch	mum arge Rate	1 Hour	2 Date	Hours Vol.	Saximum 6 Ho Date	Volume for	Selecto Hours e Vol-	ed Time 1 Date	Interva Day Vol.	1 2 Da Date	ys Vol. Da	8 Days
1971	INNA	Baxi Disch Date	mum arge Rate	1 Hour Date Vol	2 l. Date	Hours Vol.	Saximum 6 Ho Date	Volume for urs 12 Vol. Dat	Selecte Hours e Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Da Date	ys Vol. Da	8 Days

NOTES: Watershed conditions: 100% cropland, previously graded and smoothed for row irrigation. Intire watershed moldboard plowed 8-10 inches deep in early peccaber 1970. Spring preplanting tillage consisted of spring-tooth harrowing, applied 200 lbs/ac of 10-20-10 fertiliper and incorporated by chiseling 6-inches deep in mid-March. Spring-tooth and spike-tooth harrowed in April and early May. Planted cotton May 13-14. Tillage during growing season consisted of rotary hoeing 3-4 tiles: cultivating 3-4 tiles with sweep type cultivar as needed. Mo irrigation water was applied during the 1971 crop year. Stripped cotton and shredded stalks in Sovewber. For general description and ame of watershed, see Mytdoogic Data for Experimental Ingricultural Watersheds in the United States 1955, USDA Misc. Pub. 1216, pp. 6533-1 and 69, 33-1. Boothly precipitation data obtained from Thiesmen records began September 1, 1965. State NA Wassed on 7 yr (1965-71) records began September 1, 1965. State NA Wassed on 7 yr (1965-71) record period. For long-time precipitation records began September 1, 1965.

1971	DI	ILY PREC	IPITATION	(inches)			CHICKAS	SHA, OKLA	HOMA RA	IERSHED C-	-4	
Day	Jan	Peb	Sar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.03
2	0.07	0.0	0.02	0.0	0.0	0.24	0.0	0.0	0.0	3.21	0.0	0.61
3	0.43	0.0	0.0	0. C	0.04	0.80	0.0	0.0	0.0	0.08	0.0	0.05
4	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0_0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.17
6	0.0	0.0	0.0	0.0	0.0	00	0.0	0.14	0.0	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	00	0.42	0.0	0.02	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.80	0.0	0.02	0.02	0.50
10	0.0	0.0	0.0	00	0.71	0.24	0.12	0.0	0.0	0.0	0.0	0.15
10	0.0	0.0	0.0	0.0	0.0	0.10	0.0	00	0.0	0.0	0.0	0.15
11	0.0	0.0	0.0	00	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.83	0.0	0.02	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	00	0.0	0.86	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0,, 0	0.0	0.0	0.97	0.0	0.0	0.0	0.74
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	1.51	0.01	0.10	0.0
18	0.0	0.54	0.0	0.0	0.06	0.0	0.0	0.0	1.91	0.25	0.0	0.0
19	0.0	0.0	0.0	0-07	0.0	0.0	0.04	0.0	0.10	0.80	0.0	0.0
20	0.0	0.01	0.0	004	0.0	1.06	0.0	0.0	0.0	0.05	0.0	0.0
21	0.0	1.34	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05	0.0	0.0	0.16	0.0	0.0	0.0	0.40	0.0
23	0.0	0.0	0.0	0.0	0.66	0.0	0.41	0.0	0.25	0.0	0.01	0.0
24 25	0.0	0-01	0.0	0.0	0.0	0.0	0.0	0-0	1.80	0.0	0.0	0.0
	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.0	0.44	0.0	0.0
27	0.0	0.0	0.0	0.0	0.20	0.0	00	0.0	0.0	0.0	0.0	0.0
28 29	0_0	003	0.0	0.0	0.0	0.0	0.70	0.03	0.0	0.0	0.0	0.0
30	0.0		0.0	0.06	0.01	0.0	0.0	0.03	0.0	0.0	0.0	0.23
31	0.0		0.0	0.0	1.65	0.0	0.0	0.0	0.0	0.02	0.05	0.0
					1+60					0.0		0.0
TAL	0.50	1.94	0.17	0.46	4.65	4.07	1, 55	2.88	5.60	4.88	0.58	2.63
A AV	077	1.23	1.78	2.59	3_60	2.32	2.06	3.01	4 - 13	2.06	0.98	1.01

NOTES: Precipitation values obtained from two weighting recording type rain gages, Nos. 186 and 187. STA NV based on 7 yr (1965-71) record period.

197	1	MEAN DAIL	DISCHAR	SE (cfs)			CHICKA	SHA, OKLAH	IONA WA	IERSHED C-	-4	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Boa	Dec
1	0.0	0.0	0.0	0.0	0.0	0.024	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	1.624	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.538	0.0	0.0	0.0	0-508	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.005
11	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.048	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.054	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.147	0.0	0.0	0.0	0.108
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.018	0.0	0.037
16	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.008	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.090	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	00	00	0.0	0.0 T	0.0	0~0	0_0	0.0	0.0	0.0
21	0.0	0., 023	0.0	0.0	0.0	0.071	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.008	0.0	0.0	0.0	00	0_0	0.0	0.553	0.0	0.0	0.0
25	0.0	0.001	00	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.004	00	0.0	0.0	0.0	0.003	0.0	0.0
27	00	0.0	0.0	0.0	0.015	0.0	0.0	0.0	0.0	0.001	0.0	0.0
28	0 0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0-0		0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.978		0.0	0.0		0.0		0.0
EAB	0.0	0.0011	0.0	0.0	0.0322	0.0227	0.0	0.0067	0.0217	0.0698	0.0	0.005
CHES	0.0	0.025	0.0	0.0	0.793	0541	0.0	0.166	0.518	1.720	0.0	0.12
TA AV	0.003	0.009	0.027	0.189	0.532	0.298	0.274	0.389	0.330	0.278	0.084	

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.795244. STA AV based on 7 yr (1965-71) record period.

CHICKASHA, OKLAHOHA WATERSHED C-5

LOCATION: Grady County, Oklahoma; SW 1/4, sec. 35, R. 7 W., T. 7 M., about 3 miles Southeast of Chickasha, Oklahoma: Washita River Basin.

AREA: 12.80 acres

HO	DHTHL	Y PRECIE	HOITATION	AND BUN	OFF (inches	5)		CHICK	ASHA, O	KLAHOHA	WATE	RSHED C-5		
		Jan	Peb	Har	Apr	Bay	Jun	Jul A	ug .	Sep	0ct	Bov	Dec	Annual
1971	P Q	049 00	1.91	0-17 0-0	051 00	4.60 0.171	4.08 0.166			5.46 0.431	4.81 1.646	0., 56 0., 0	2.65 0.009	29.68 2.422
TA AV	P Q	0.76 0.0	1.20	1.75 0.065	2.54 0.208	3.46 0116	2.31 0.066			4.05 0.166	2.02 0.237	0.95 0.010	1.00	25.62 0.930
	ANN	Maxi Disch	.mum arge	1 Hou		lours	aximum V 6 Hou	olume for	Selecte Hours	d Time	Interval Day	l 2 Days	8	Days
1971	ANN	Maxi	mum arge Rate	1 Hou Date V	r 2 E	lours Vol.	axisus V 6 Hou Date V	olume for : rs 12 ol. Date	Selecte Hours Vol.	d Time 1 Date	Interval Day Vol.	l 2 Days Date Vo	8 1. Dat	e Vol.
1971	ANN	Maxi Disch Date	mum arge Rate	1 Hou Date V	r 2 E ol. Date	ours Vol.	axisus V 6 Hou Date V	olume for : rs 12 ol. Date	Selecte Hours Vol.	d Time 1 Date	Interval Day Vol.	l 2 Days Date Vo	8 1. Dat	e Vol.

NOTES: Watershed conditions: 100% cropland, planted 80 lbs/ac of friusph wheat Cctober 15, 1970. Applied on surface 100 lbs/ac of 33-00-00 fertilizer January 29, 1971. Harvested wheat grain June 11, 1971. Disked 6-7 inches deep June 19, 200 and July 19. Spring-tooth harrowed May, 18, Sept. 30 and Oct. 11, 4-6 inches deep. Planted 75 lbs/ac of fritsph with 100 lbs/ac of 12-24-12 fertilizer. There was no graving by livestock. For general description of watershed, see Bydrologic bata for Expressental Agricultural Watersheds in the United States, USBA disc. Pub. 1216, p. 69, 34-1. Haps revised Composite, p. 69,7-21; topograph, p. 69, 34-3 of foregoing reference. Bonthly precipitation and 187. Precipitation and runoff records began May 1, 1965. STA AF based on 7 pr (1965-71) record period. For long-time precipitation records, see Mational Weather Service records at Chickasha, Okla.

197	'1 Di	ILY PREC	PITATION	(inches)			CHICKA	SBA, ORLA	BORA WA	TERSHED C-	-5	
Day	Jan	Feb	Har	Apr	Бау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.03
2	0.07	0.0	0.02	0.0	0.0	0-27	0.0	0.0	0.0	3.15	0.0	0.61
3	0.42	0.0	0.0	0.0	0.04	0.83	0.0	0.0	0.0	0.07	0.0	0.05
4	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.17
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 14	0.0	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	00	0.39	0.0	0.02	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.02	00	0.0	0.81	0.0	0.02	0.03	0.52
9	0.0	0.0	0.0	0.0	0.73	0.25	0.10	0.0	0.0	0.0	0.0	0.14
10	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.15
11	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0_0	0.0	0.0	0.83	0.0	0.04	0_0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	00	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.76
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.23	00	0.0	0.0	0.0	0.0	00	0.0	0.0
17	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	1.42	0.01	0.10	0.0
18	00	0.54	0.0	0.0	0.06	0.0	0.0	0.0	1.89	0.24	0.0	0.0
19	0.0	0.0	0.0	0.11	0_0	0.0	0.05	0.0	0.09	0.80	0.0	0.0
20	00	0.01	0.0	0.04	0.0	1.04	0.0	0.0	0.0	0.05	0.0	0.0
21	0.0	1.31	00	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05	0.0	0.0	0.17	0.0	0.0	0.0	0.37	0.0
23	0.0	0.0	0_0	0.0	0.63	00	0.41	0.0	0-24	0.0	0.01	0.0
24	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	1.80	0.0	0.0	0.0
25	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
26	0.0	0.0	00	0.0	0.96	0.0	0.0	0.0	0.0	0.44	0.0	0.0
27	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	00	0.0
28	0.0	003	0.0	0.0	00	0.0	0.70	0.03	0.0	0.0	0.0	0.0
29	0.0		0.0	0.07	0.01	0.0	0.0	0.04	0.0	0.0	0.0	0.22
30	00		0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.03	0.05	0.0
31	0.0		0.0		1.61		0.0	0.0		0.0		0.0
TOTAL	0.49	1.91	0.17	0.51	4.60	4.08	1.55	2.89	5.46	4.81	0.56	2.65
STA AV	076	1.20	1.75	2.54	3, 46	2-31	1 85	3.75	4.05	2.02	0.95	1.00
STA AV	0.76	1-20	1.75	2.54	3, 46	2-31	1 85	3.75	4.05	2-02	0.95	

NOTES: Precipitation values obtained from two weighting recording type rain gages, Nos. 185 and 187. STA AV based on 7 yr (1965-71) record period.

197	1	BEAR DAIL	Y DISCHAR	GE (cfs)			CHICKA	SHA, OKLAI	IOBA PA	ERSHED C	-5	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Non	Dec
1	0.0	0_0	00	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.757	0.0	0.0
3	0.0	00	0.0	0.0	0.0	0.073	00	00	0.0	0.128	0.0	0.0
4	0.0	00	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0_0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	00	0.0	0.0	0.0	0_0	0_0	0_0	0.0	0_0	0_0	0.0
10	0.0	0.0	0.0	0.0	0.0	0 - 0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	00	00	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0 012	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
15	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	00	0.0	0.0	0.0	0.0	0-0	0_0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.027	0.0	0.0	0.0
19	0.0	0.0	0.0	00	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
20	0.0	00	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	00	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.204	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.001	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	00	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.092		0.0	00		0.0		0.0
BAN	00	0.0	0.0	0_0	0.0030	00030	00	0.0	0.0077	0.0286	0.0	0.000
CHES	0.0	0.0	0.0	0.0	0.171		0.0	0.0	0.431		0.0	0.00
VA AT	0.0	0.0	0.065	0.208	0.116	0.066	0.003	0.057	0.166	0.237	0.010	0.00

NOTES: To convert mean daily discharge in CFS to IB/DAI, multiply by 1.85950%. STA AV based on 7 yr (1965-71) record period.

CHICKASHA, OLKLAHOMA WATERSHED C-6

LOCATION: Grady County, Oklahoma; SW 1/4, sec. 35, E. 7 W., T. 7 W., about 3 miles Southeast of Chickasha, Oklahoma; Washita River Basin.

AREA: 13.00 acres

BC	BTHL	A BERCIE	ITATION	AND BUNC	FP (inches	s)		CHI	KASHA, C	DIKLAHOH	A WAT	ERSHED	C-6		
		Jan	Feb	Bar	Apr	8a y	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1	annual
	P	0.49	1.93	0. 17	0, 53	4.60	4_08	1.55	2.91	5.46	4.82	0.56			9.75
1971	Q	0.0	0.0	0.0	00	0., 169	0.178	0.0	0.0	0.851	1.763	0.0	0.0	78	3.039
STA AV	P	0.76	1.20	1.73	2.56	3.46	2.30	1.84	3.75	4.04	2.03	0.95		0 2	25.59
	Q	0-002	0.012	0.116	0.193	0.145	0.084	0.005	0.124	0. 264	0.263	0.032	2 0.0	11	1.251
	ANN	UAL HAXI	NUM DISC	CHARGE (i	n/hr) AHD	MAXIMU	a Aornae	S OF RUBO	F (inche	s) FOR	SELECTE	D TIBE	INTERV	ALS	
	ANH	UAL HAXI Baxi Disch	BQB	CHARGE (i				Volume for		d Time		1			Days
	ANN	 Baxi	mum arge		2 1		Haximum 6 Ho	Volume for	Selecte	d Time	Interva	1 2 Da	 ays	8 1	Days Vol.
1971	ABB	Hazi Disch	mum arge Rate	1 Hour	2 I	Hours	Eaximum 6 Ho Date	Volume for	Selecte Hours e Vol.	d Time 1 Date	Interva Day Vol.	1 2 Da Date	ays Vol.	8 I Date	Vol.
1971	ABB	Hari Disch Date	mum arge Rate	1 Hour	2 I 1. Date	Hours Vol.	Baximum 6 Ho Date 10- 2	Volume for	Selecte Hours e Vol.	d Time 1 Date	Interva Day Vol.	1 2 Da Date	ays Vol.	8 I Date	Vol.

NoTES: Watershed conditions: 100% cropland, planted to wheat in fall of 1970 and harvested for grain in June 1971. Ratershed was moldboard plowed soon after harvest and remained in rough condition until about mid-lag. 1971, when watershed was disked and spring-tooth harrowed, in preparation for seeding to wheat. Watershed was freshly spring-tooth and spike-tooth harrowed just prior to seeding wheat in mid-oct. 1971. For general description of watershed, see Hydrologic Data for Experimental Agricultural Ratersheds in the United States, 1965, USDA miss. Pub. 1216, p. 69.35-1. Haps - revised composite, p. 65.7-27; topography, p. 69.38-3 of foregoing reference. Bonthly precipitation data obtained from Thiesmen weighted rainfall values from two equiphing recording type rain gages, Ros. 183 and 187. Precipitation and runoff records began May 1, 1965. STA AV based on 7 yr (1965-71) record period. For long-time precipitation records, see Sational Weather Service records at the chash, CALa.

1971	D.	ILY PREC	IPITATION	(inches)			CHICKAS	SHA, OLKL	ABOHA W	ATERSHED (C-6	
Day	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.03
2	0.07	0.0	0.02	0.0	0.0	0 27	0.0	0.0	0_0	3.15	0.0	0.61
3	0.42	0.0	0.0	0.0	0.04	0.83	0.0	0.0	0.0	0.07	0.0	0.05
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0-0	0.0	0.0
5	0.0	0.0	0.0	0_0	0.0	00	0.0	0.0	00	0.0	0.0	0.17
6	0.0	0.0	0.0	0.0	0.0	0.0	00	0.14	0.0	0.0	0.0	0.0
7	00	0.01	00	0.0	0.0	0.39	0.0	0.02	0.0	0.0	0.0	0.0
8	0.0	0.0	0_0	0.0	0.02	0.0	0.0	0.81	0.0	0.02	0.03	0.52
9	0.0	0.0	0.0	0.0	0.73	0.25	0.09	00	0.0	0.0	0.0	0.14
10	0.0	0.0	00	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.15
11	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.82	0., 0	0.05	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	00	0.0	0.84	0.0	0.0	0.0	0.0
14	0.0	00	0.0	0.0	0.0	0.0	0.0	0.97	0.0	0.0	0.0	0.76
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	00	0.0	0.01	0.0	0.0	0.0	0.0	1.42	0.01	0-10	0.0
18	0.0	0.55	0.0	0.0	0.06	0.0	0.0	0.0	1.89	0-24	0.0	0.0
19	0.0	00	0.0	0.12	0.0	0.0	0.05	0.0	0.09	0.80	0.0	0.0
20	0.0	0 0 1	0.0	0.04	0.0	1.05	0.0	0.0	0.0	0.05	0.0	0.0
21	0.0	1.32	0.0	00	00	0.36	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05	0.0	0.0	0.17	0.0	0.0	0.0	0.37	0.0
23	0.0	0.0	0.0	0.0	0.63	0.0	0.41	0.0	0.24	0.0	0.01	0.0
24	0.0	0 0 1	0.0	0.0	0.0	0.0	00	0.0	1.80	0.0	0.0	0.0
25	0.0	0.0	0 15	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.0	0.45	0.0	0.0
27	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.03	0.0	0.0	0.0	0.0	0.70	0.03	0.0	0.0	0.0	0.0
29	0.0		0.0	0.08	0.01	0.0	0.0	0.04	0.0	0.0	0.0	0.22
30	0.0		0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.03	0.05	0.0
31	0.0		0.0		1,61		0.0	0.0		0.0		0.0
TOTAL	0.49	1.93	0.17	0.53	4.60	4.08	1. 55	2.91	5.46	4.82	0.56	2.65
STA AV	0.76	1.20	1.73	2, 56	3.46	2.30	1.84	3.75	4.04	2.03	0.95	1.00

NOTES: Precipitation values obtained from two weighting recording type rain gages, Nos. 185 and 187. STA AV based 7 yr (1965-71) record period.

197	1	MEAN DAIL	DISCHAR	BE (cfs)			CHICKA	SHA, OLKL	AHOHA R	ATERSHED (C-6	
Day	Jan	Feb	Bar	λpr	Hay	Jun	Jul	Aug	Sep	Oct	Boa	Dec
1	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.887	0.0	0.0
3	0.0	0 0	0_0	0.0	0.0	0.077	0.0	0.0	0.0	0.077	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0-0	0.0	00	0.0	0 0	0.0	00	0.0	0.0	0.0	0.0
6	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	00	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.003
9	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0 T
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005
11	0.0	0.0	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	00	0.0	0016	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	00	00	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.020
15	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015
16	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.072	00	0.0	0.0
19	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0
20	00	0.0	0.0	0.0	0.0	0., 0	0.0	0.0	0.001	0.0	0.0	0.0
21	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0
22	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.382	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0
26	0.0	00	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0,, 0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.092		0.0	0.0		0.0		0.0
BEAN	0.0	0.0	0.0	0.0	0.0030	0.0032	0.0	0.0	0.0155	0.0311	0.0	0.0014
INCHES	0.0	0.0	0.0	0.0	0.169	0.178	0.0	0.0	0.851	1.763	0.0	0.078
STA AV	0.002		0.116	0.193	0.145	0.084	0.005	0.124	0.264	0.263	0.032	0.011

NOTES: To convert discharge in CFS to IM/DAY, multiply by 1.830896. STA AV based on 7 yr (1965-71) record period.

CHICKASHA, OKLAHOMA WATERSHED C-7

LOCATION: Grady County, Oklahoma; SW 1/4 , sec. 35, R. 7 W., T. 7 W., about 3 miles Southeast of Chickasba, Oklahoma; Washita River Basin.

AREA: 26.52 acres

80	NTHL	PRECIP:	HOLTATION	AND RUNOF	P (inche	s)		CBI	CRASHA,	OKLAHOH	A WATE	RSHED C-	7	
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec	Annual
1971	P Q	0.50 0.0	1.96 0.013	0.18 0.0	0.52 0.0	4.62 0.371	4.10 0.357	1.55 0.0	2.93 0.011	5.44 1.382	4.86 1.688	0.55 0.0	2.66 0.052	29.87 3.875
STA AV	P	0.76 0.0	1.19 0.016	1.71 0.012	2.53 0.327	3.44 0.232	2-29 0-232	1.83 0.128	3.73 0.371	4, 03 0, 370	2.01 0.311	0.94 0.035	0.99 0.007	25.45 2.042
	YHAR	Baxis	ngm arge	HARGE (in	2	Hours	laximum 6 Ho	Volume fo	r Select	ed Time	Interva Day	1 2 Day	s 8	Days
1971		10- 2		10- 2 0.5	23 10~ 2	0.788	10- 2	1.379 10-	2 1.59					5 1.607
1971		Date 1	Rate	Date Vol	. Date	Vol. 0.788	Date 10- 2	Vol. Da	te Vol. - 2 1.59	Date	Vol.	Date V	ol. Dat	e
		4-12		4-12 0.6				1.379 10-	2 1 50	. 10- 2	1 607	10- 1 1	607 0-	9 1-63

NOTES: Satershed Conditions: 1015 cropland. Borth portion was planted to alfills in fall of 1970, south portion more steemed and the condition of the probability of

1971	1 D	AILY PREC	IPITATION	(inches)			CHICKA	SHA, OKLA	HOHA WA	TERSHED C	-7	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	00	0.0	0.0	0.04
2	0.07	0.0	0.02	0.0	0.0	0.28	0.0	0.0	0.0	3.15	0.0	0.60
3	0.43	0.0	0.0	0.0	0.04	0.82	0.0	0.0	0.0	0.08	0.0	0.04
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0,18
6	0.0	0.0	0.0	00	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.0	0.38	00	0.02	0.0	0.0	0.0	0.0
8	0.0	00	0.0	0.0	0.03	0.0	0.0	0.81	0.0	0.02	0.03	0.52
9	0.0	0.0	0.0	0_0	0.73	0.26	0.09	0.0	0.0	0.0	0.0	0.14
10	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.15
11	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	082	0.0	0.06	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0
14	00	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.76
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	1.40	0.01	0.10	0.0
18	0.0	0.56	0.0	0.0	0.06	0.0	0.0	0.0	1.90	0-24	0.0	0.0
19	0.0	0.0	0.0	0.13	0.0	0.0	0.05	0.0	0.09	0.81	0.0	0.0
20	0.0	0.01	0.0	0.04	0.0	1.06	00	0.0	0.0	0.06	0.0	0.0
21	0.0	1.32	0.0	0.0	0.0	036	0.0	0_0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.04	0.0	0.0	0.17	0.0	00	0.0	0.35	0.0
23	0.0	0.0	0.0	0.0	0.64	0.0	0-42	0.0	0.23	0.0	0.01	0.0
24	0.0	0.02	0.0	0.0	0.0	00	0.0	0.0	1.79	0.0	0.0	0.0
25	00	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0	0.46	0.0	0.0
27	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.04	0.0	0.0	0.0	0.0	0.69	0.03	0.0	0.0	0.0	0.0
29	0.0		0.0	0.08	0.02	0.0	0.0	0.04	0.0	0.0	0.0	0.23
30	0.0		0.0	00	0.35	00	0.0	0-0	0.0	0.03	0.06	0.0
31	0.0		0.0		1 61		0.0	0.0		0.0		0.0
OTAL	0.50	1.96	0.18	0.52	4.62	4 10	1. 55	2.93	5.44	4.86	0.55	2.66
TA AV	0.76	1-19	1.71	2.53	3.44	2.29	1.83	3.73	4-03	2,01	0.94	0.99

NOTES: Precipitation values obtained from two recording weighting type rain gages, Nos. 185 and 187. STA AV based 7 yr (1965-71) record period.

197	3	MEAN DAIL	Y DISCHAR	GE (cfs)			CHICKA	SHA, OKIAN	HOMA WAS	PESHED C-	-7	
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.010	0.0	00	0.0	0.0	0.0	0.0
2	0.0	0., 0	0.0	00	0.0	0.0	00	0.0	0.0	1.524	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.273	00	0.0	0.0	0.267	0.0	0.0
4	0.0	00	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0_0	00	00	0_0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
9	0.0	0_0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
10	0.0	0.0	00	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.00
11	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.036	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-004	0.0	0_0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.03
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.0	00	0.0	0.0	00	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.659	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.071	0.0	0.0
20	0.0	0 0	0_0	0.0	0.0	0.043	0.0	0.0	0.0	0.005	0.0	0.0
21	0.0	0-015	0.0	0.0	0.0	0, 036	0.0	0_0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0-0	0.0	0.0	0.0	0-0	0-0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.878	0.0	0-0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.002	00	0.0	0.0	0.0	0.014	0.0	0.0
27	00	0., 0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0-0	0.0	00	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0-0	0.0	0.0	0.0	0-0	0.0	0.0
31	0.0		0.0	0.0	0.410	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EAR	0.0	0_0005	0_0	0_0	0.0133	0.0133	0_0	0.0004	0.0513	0.0607	0.0	0.00
CHES	0.0	0.013	0.0	0.0	0.371	0.357	0.0	0.011	1.382	1.688	0.0	0.0
LY VA	0.0	0.016	0.012	0.327	0-232	0.232	0.128	0.371	0.370	0.311	0.035	0.0

NOTES: To convert discharge in CFS to IN/DAY, multiply by 0.897498. STA AV based on 7 yr (1965-71) record period.

CHICKASHA, OKLAHOMA WATERSHED C-8

LOCATION: Grady County, Oklahoma; SW 1/4, sec. 35, R. 7 W., T. 7 W., about 3-1/2 miles Southeast of Chickasha, Oklahoma; Washita Biver Basim.

ARRA: 27.28 acres

HO	NTHL	PRECIP:	MOITATI	AND RUNOP	P (inche:	s)		CHIC	KASHA, C	KLAHOHA	WATER	SHED C	-8		
		Jan	Feb	Har	Apr	Bay	Jun	Jul	∆ug	Sep	Oct	Nov	Dec	An	nual
	P	0.52	2.05	0.17	0.56	4.90	4.07		3.16	5.68	5.34	0.60	2.70		1.44
1971	Q	0.0	0.000	0.0	0_0	0.001	0.000	0.0	0.001	0. 140	1.459	0.0	0.00)1 1	1.602
STA AV	P	0.76	1.23	1.73	2.43	3.51	2.29		3.72	4.00	2.12	0.96	1.01		5.63
	Q	0.0	0.000	0.011	0.077	0.025	0.013	0.067	0 186	0.147	0.209	0.0	0.00	0 0	735
· 	ANN	DAL HAXI	UE DISC	HARGE (in	/hr) AND	DEXISO	VOLUME:	S OF RUBOR	F (inche	s) FOR	SELECTE	TIME	INTERV	LS	
	ANB	Baxi Disch	um arge	1 Hour	2 1	Hours	daxinum 1	Volume for urs 12	Selecte	d Time	Interval Day	2 Da	ys	8 Da	
	ANN	Baxi	um arge		2 1		daxinum 1	Volume for urs 12	Selecte	d Time	Interval Day		ys		
1971	AND	Baxi Disch	ium irge late	1 Hour Date Vol	2 I	Hours	daximum 1 6 Hou Date	Volume for urs 12	Selecte Hours e Vol.	d Time 1 Date	Interval Day Vol.	2 Da Date	ys Vol.	8 Da Date	¥01.
1971	ABB	Baxis Discha Date	ium irge late	1 Hour Date Vol	2 1 Date	Hours Vol.	farinum 6 Hou Date 1	Volume for urs 12 Vol. Dat	Selecte Hours e Vol.	d Time 1 Date	Interval Day Vol.	2 Da Date	ys Vol.	8 Da Date	¥01.

NOTES: Watershed conditions: 100% cropland, entire watershed was planted to wheat in mid-oct. 1970 and harvested for grain in mid-June 1971. Watershed was moldboard plowed 8-10 inches deep in late June 1971. Area remained in rough condition until mid-may. 1971 when watershed was disked and spring-tooth harrowed in preparation for seeding to wheat. Watershed was seeded to wheat in mid-oct. 1971. For general description of watershed, see Myrologic Data for Spreinsental Agricultural Watersheds in the United States, 1955, 050h miss. Pub. 1216, 9-6,37-1. dags - revised composite, p. 65,7-21; topography, p. 63,37-5 of foregoing reference. Monthly precipitation obtained from Thissee weighted rainful values from the cording weighting type rain gages, Nos. 105 and 106. Precipitation and the cordinal manual prints of the cordinal prints of the cordinal weighting the precipitation of the cordinal weighting the cordinal cor

1971	DI	ILY PREC	PITATION	(inches)			CHICKA:	SHA, OKLAN	HOMA WA	TERSHED C	-8	
Day	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Bow	Lec
1 2	0.0 0.07	0_0 0_0	0.0 0.02	0.0	0.0 0.0	0.0 0.31	0.16 0.0	0.0 0.0	0.0	0.0 3.45	0.0 0.0	0.04
1 4 1 5	0.45 0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.04 0.0 0.0	0.77 0.0 0.0	0.0 0.0	0-0 0-0	0.0 0.0 0.0	0.10 0.0 0.0	0.0 0.0	0.04 0.0 0.19
1 6	0.0	0.0	0.0	0.0	0.0	0.0 0.37	0.0	0.14 0.02	0.0	0.0	0.0	0.0
8 9 1 10	0.0	0.0	0.0	0.0	0.03	0.0 0.28	0.0 0.08	0.83	0.0	0.03	0.04	0.49
11	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.16
1 12 1 13 1 14 1 15	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.84 0.0 0.0	0.0 0.0 0.0	0.06 0.90 1.12	0.0 0.0 0.0	0.0	0.0 0.0	0.0 0.0 0.79
16	0.0	0.0	0.0	0.23 0.01	0.0	0.0	0.0 0.0 0.0	0.02 0.0 0.0	0.0 0.0 1.47	0.0 0.0 0.02	0.0 0.0 0.10	0.0 0.0
1 18 1 19 1 20	0-0 0-0 0-0	0-61 0-0 0-01	0.0 0.0 0.0	0.0 0.13 0.04	0.07 0.0 0.0	0.0 0.0 0.97	0-0 0-05 0-0	0.0 0.0 0.0	1 98 0 08 0 0	0.27 0.85 0.07	0.0	0.0
1 21 22	0.0	1.36 0.0	0.0	0.0	0.0	0-40	0.0	0.0	0.0	0.0	0.0	0.0
23 24 25	0.0 0.0 0.0	0.0 0.03 0.0	0.0 0.0 0.15	0.0 0.0 0.0	0.62 0.0 0.0	0.0 0.0 0.0	0.46 0.0 0.0	0.0 0.0 0.0	0.24 1.87 0.04	0.0 0.0 0.0	0.02 0.0 0.0	0.0 0.0 0.0
1 26 1 27 1 28 1 29 1 30	0.0 0.0 0.0 0.0	0.0 0.0 0.03	0.0 0.0 0.0 0.0	00 0.0 0.0 0.10	1.03 0.20 0.0 0.03 0.40	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.74 0.0	0.0 0.0 0.03 0.04 0.0	0.0 0.0 0.0 0.0 0.0	0.51 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.25 0.0
31 TOTAL STA AV	0.0 0.52 0.76	2.05 1.23	0.0 0.17 1.73	0.56 2.43	1.69 4,90 3.51	4.07 2.29	0.0 1.69 1.89	0.0 3.16 3.72	5.68 4.00	0.0 5.34 2.12	0.60 0.96	2.70 1.01

HOTES: Precipitation values obtained from two recording type rain gages, Nos. 185 and 188. STA NV based on 7 yr (1965-71) record period.

197	1	MEAN DAIL	Y DISCHAR	GE (cfs)			CHICKA	SHA, OKLA	HOMA WA	IEESBED C	-8	
Da y	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	HOW	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.543	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0_0	0.0	0.128	0.0	0.0
43	00	0.0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	00	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
7	0., 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	00	0.0	00	0.0	0.0	0.0	0.0	0_0	0.00
9	0.0	0.0	0.0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0
12	0.0	0.0	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	00	0_0	0_0	0.0	0.0	0.0	0-001	0.0	0.0	0.0	0.00
15	0.0	00	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0
17	0.0	0 0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.024	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0001	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0_0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	00	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0, 0	0.0	0.0	0.0	0.0	0.0	0.0	0.136	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0_0	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
27	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0-0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.001		0.0	0.0		0.0		0.0
EAN	0.0	0.0	0.0	0.0	0.0	0, 0	0.0	0.0	0.0053	0.0539	0.0	0.0
CHES	0.0	0.000	0.0	0.0	0.001	0.000		0.001	0.140	1.459	0.0	0.0
ra av	0_0	0.000	0.011	0.077	0.025	0.013			0-147	0.209	0.0	0.0

MOTES: To convert discharge in CFS to IM/DAY, multiply by 0.872495. STA AV based on 7 yr (1965-71) record period.

CHICKASHA, OKLAHONA WATERSHED R-1

LOCATION: Caddo County, Oklahoma; NE 1/4, sec. 21, T. 8 N., B. 9 N., about 4-3/4 miles Worth and 3-1/4 miles West of Verden, Oklahoma; Washita Biver Basin.

AREA: 17.76 acres

[]	ONTH	Y PRECIS	PITATION	AND RUNO	PP (inch	es)		СВ	ICKASHA,	OKLAHOHA	WATE	RSHED R-	1	
		Jan	Feb	Har	Apr	Нау	Jun	Jul	Aug	Sep	0ct	How	Dec	Appual
1971	P Q	1.01	1.30	0.02 0.0	1.08 0.001	4.42 0.025	2.92 0.002	2.44 0.002	3.05 0.004	4.78 0.006	4.53 0.009	0.66 0.0	2.95 0.004	29.16 0.053
STA AV	P Q	0.65	1.01	1.51	3.10 0.016	3, 57 0, 016	4.00 0.037	1.55	3.11 0.004	4.17 0.006	1.97 0.002	1.64	1.00	27.28 0.084

NoTES: Watershed conditions: Watershed is in range and pasture grasses and within the same feace enclosure as Watersheds E-2, R-3 and R-4. All have essentially the same grazing management. There is a good hydrologic cover of weeds, annual grasses, low order premental grasses and some cilast grass species, however, the range condition class is poor. The watershed was fertilized and sprig-sodded to berwide in 20-inch rows in spring of 1970. Because of unfavorable weather conditions, a poor stand resulted. For description and map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Bisc. Pub. 1216, pp. 69.38-1 and 69.38-2. Precipitation data obtained from recording rain gage No. 189. Precipitation records began July 1, 1962. STA NY based on 10 yr (1962-71) record period. Emunoff measured by stage-volume change in a farm pond. For long-time precipitation records, see Mailconal Weather Service records of thickness, okla.

1971	Di	ALLY PREC	PITATION	(inches)			CHICKAS	SHA, OKLA	HOMA WA	ERSHED B	-1	
Da y	Jan	Feb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	00	0.0	0.0	0.0	00	0.0	086	0.0	0.0	0.0	0.0	0.09
2	0.22	0.0	0.02	0.0	0.0	0.07	0.0	0.0	0.0	1.95	0.0	0.50
3	0.79	0.0	0.0	0.0	0.03	0.16	0.0	0.0	0.0	0.0	0.0	0.21
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.17
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.02	003	0.23
9	0.0	0.0	0.0	0.0	0.49	0.35	0.0	0.0	0.0	0.0	0.0	0.09
10	0.0	0.0	0.0	0.0	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.08
11	0.0	0.0	0.0	0.0	00	0.02	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	00	0.0	0.0	0.0	0.16	00	0.04	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	00	0.06	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.80	0.0	0.0	0.0	1.32
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	011	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	1,33	0.01	0.01	0.0
18	0.0	0.29	0.0	0.0	0.10	0.0	0.0	0.0	0., 91	0.72	0.0	0.0
19	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.04	0.30	0.0	0.0
20	0.0	0.0	00	0.02	0.0	0.430	0.0	0.0	0.0	0.10	0.0	0.0
21	0.0	0.95	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0_0	00	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.54	0.0
23	0.0	0.0	0.0	0.0	0-46	00	0.29	0.0	0.15	0.0	0.02	0.0
24	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	2.35	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.67	0.67	0.0	0.0	0.0	0.0	1.03	0.0	0.0
27	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.04	0.0	0.09	0.0	0.0	1.10	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.02	0.44	0.0	0.31	0.0	0.26
30	00		0.0	0.0	0.37	0.04	0.0	0.0	0.0	0.09	0.06	0.0
31	0.0		0.0		2.22		0.0	0.0		0.0		0.0
TOTAL	1.01	1.30	0.02	1.08	4.42	2.92	2.44	3.05	4.78	4.53	0.66	2.95
STA AV	0.65	1_01	1.51	3.10	3, 57	4.00	1. 55	3.11	4 17	1.97	1.64	1.00

MOTES: Precipitation values obtained from one recording rain gage, No. 189. STA AV based on 10 yr (1962-71) record period.

197	1	MEAN DAIL	LY DISCHAI	RGB (cfs)			CHICKA	SHA, ORLAI	IONA WAT	ERSHED R-	-1	
Da y	Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	HOW	Dec
1	0.0	0.0	0 0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0_0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0		0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0_0	0.0	00	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	00	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
11	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.002
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	00	0 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.001	0.0	0.0
19	0.0	0.0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
20	00	0 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	00	0_0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0 0	0.0	00	0.0	00	0.0	0.0	0.004	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.001	0.0 T	0.0	0.0	0.0	0.0	0.001	0.0	0.0
27	0.0	0.0	0 0	0.0	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
29	00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T		0.0
30	0.0		0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0_0		0.0		0.019		0.0	0.0		0.0		0.0
EAN	0.0	0.0	00	00	0.0006		0.0		0.0001	0.0002		0.000
NCHES	0.0	0.0	0.0	0.001	0.025		0.002	0.004	0.006	0.009	0.0	0.00
TA AV	0.0	0.0	0.0	0.016	0.016	0.037	0.000	0.004	0.006	0.002	0.003	0.00

NOTES: To convert discharge in CFS to IN/DAY, multiply by 1.340183. STA AV based on 10 yr (1962-71) record period.

CHICKASHA, OKLAHOMA WATERSHED R-2

LOCATION: Caddo County, Oklahoma; NW 1/4, sec. 22, T. 8 N., R. 9 N., about 4-1/2 miles North and 2-3/4 miles West of Verden, Oklahoma; Washita River Basin.

ARFA: 24.08 acres

8	CHTHLY	PRECIP	HOLTATI	AND RUNO	FF (inch	es)		CH	ICKASHA,	OKLAHONA	WATE	RSHED R-	?	
		Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Nov	Dec	Appual
1971	P Q	1.06	1.22	0.01	1.16 0.0	4-01 0-034	2.71 0.020	2-25 0-004	2-84 0-001	4.20 0.006	3.97 0.010	0.66 0.0	2.51 0.003	26.60 0.078
STA AV	P Q	0.61 0.001	0.96 0.0	135 0.002	3.03 0.049	3.44 0.031	3.90 0.046	1-49 0-001	2.99 0.028	3.98 0.030	1.87	1.59 0.009	0.94	26.16 0.209

NOTES: Watershed conditions: Watershed is in range and pasture grasses and within the same fence enclosure as watersheds I-1, Is-2 and I-4. All have essentially the same grazing management. There is a good Myntologic cower of is poor. For description and map of watershed, see Myntologic but for Experimental Agricultural Watersheds in the United States, 1965, USDA Bisc. Pub. 1216, pp. 69.39-1 and 69.39-2. Precipitation data obtained from recording rain gage No. 190. Precipitation excords began Jan. 1, 1962. Eumoff records began July 1, 1962. STA AV based on 10 yr (1962-71) record period. Runoff measured by stage-volume change in a farm pond. For long-time precipitation records, see National Weather Service records at Chickasha, Okla.

1971	D	AILY PREC	IPITATION	(inches)			CHICKA	SHA, OKLAI	AW ABOE	TERSHED R	-2	
Day	Jan	Peb	Bar	Apr	Вау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.0	0.07
2 3	0-24 0-82	0.0	001	0.0	0.0 0.03	0.05	0.0	0.0	0.0	1.76	0.0	0.38
3	0.82	0.0	0.0	0. 0 0. 0	0.03	0 - 15 0 - 0	0.0	0-0	0.0	0.0	0.0	0.19
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							0.0		0.0	0.0	0.0	0. 15
6	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	00	0.49	0.0	0.0	0.0	0.0	0.0	0.0
8	00	0.0	0.0	0.0	0.01	0.0	0.0	0.69	0.0	0.0	0.03	0.19
9	0.0	0.0	0.0	0.0	0.50	0.32	0.0	0.0	0.0	0.0	00	0.07
10	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.08
11	0.0	00	0.0	0.0	0.0	0.05	0.0	0.0	0_0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.03	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.55	0.0	0.0	0.0	1.14
15	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	1 19	0.01	0.01	0.0
18	0.0	0.30	0.0	00	0.08	0_0	0.0	0.0	0.76	066	0.0	0.0
19	0.0	0.0	0.0	0.20	0.0	00	0.0	0.0	0.02	0.23	0.0	0.0
20	0.0	0.0	0.0	0.03	00	0.18	0.0	0.0	0.0	0.07	0.0	0.0
21	0.0	0.88	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0_0	0.0	0.0	0.0	0.0	0.12	0.0	00	0.0	0.54	0.0
23	0.0	0.0	0.0	0.0	0.42	0.0	0.26	0.0	0.12	0.0	0.02	0.0
24	0.0	001	00	0.0	0.0	0.0	0.0	0.0	2.11	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	074	0.64	0.0	0.0	0.0	0.0	0.86	0.0	0.0
27	0.0	0.0	0.0	00	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.03	0.0	0.06	0.0	0.0	1.09	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.02	0.51	00	0.29	0.0	0.24
30	0.0		0.0	0.0	0.31	0.02	0.0	0.0	0.0	0.09	0.06	0.0
31	0.0		0.0		1., 94		0.0	0_0		0.0		0.0
TOTAL	1.06	1.22	0.01	1. 16	4.01	271	2,25	2.84	4-20	3.97	0.66	2.51
STA AV	0.61	0.96	1.35	3.03	3.44	3.90	1.49	2.99	3.98	1.87	1.59	0.94

NOTES: Precipitation values obtained from one recording rain gage, No. 190. STA NV based on 10 yr (1962-71) record period.

197	1		LY DISCHAR	GE (cfs)			CBICKA	SHA, OKLA	HOMA WA	IERSHED R-	-2	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
2	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0
3	0.0		0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0 0	00	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	T 0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0-0	0.0	0.0	0.017	0_0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0-0	0-0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.003
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0 0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0_0	0.0
18	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0
19 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0_0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
26	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	00	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	00	0.0	0.0	0.0	0.001	0.0	0.0
30	0.0		0-0	0.0	0.0	0., 0	0.0	0.0	0.0	0.0	00	0.0
	0.0		0.0		0.034		0.0	0.0		0.0		0.0
AH	00	00	0.0	00		0.0007	0.0001	0.0	0.0002	0.0003	0.0	0.000
CBBS	0.0	0.0	0.0	0.0				0.001	0.006	0.010	0.0	0.00
A AV	0.001	0.0	0.002	0.049	0.031	0.046	0.001	0.028	0.030	0.008	0.009	0.00

NOTES: To convert discharge in CFS to IB/DAY, multiply by 0.988441. STA AV based on 10 yr (1962-71) record period.

CHICKASHA, OKLAHOMA WATERSHED R-3

LOCATION: Caddo County, Oklahoma; NE 1/4, sec/ 21. T. 8 N., R. 9 N., about 4-1/2 miles North and 3-1/4 miles West of Verden, Oklahoma; Washita River Basin.

AREA: 25.84 acres

	ONTH	LY PRECIE	HOITATIO	AND RUNO	FF (inch	es)		СВ	ICKASHA,	OKLAHOMA	WATE	RSHED R-	3	
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec	Annual
1971	P Q	1.02	1.18	0.01 0.0	1 24 0 0	3.92 0.018	2.58 0.001	2.21 0.001	2.92 0.001	4.09 0.004	4-00 0-004	0.64	2.47	26.28 0.029
STA AV	P	0.60	0.96	1.36	3.01 0.020	3.36 0.012	3.86 0.015	1-47	2.97 0.012	3.89 0.015	1.87	1.56 0.004	0.91	25.82 0.084

NOTES: Watershed conditions: Watershed is in range and pasture grasses and within the same feace enclosure as Watersheds R-1, B-2 and R-4. All have essentially the same grazing anagement. There is a good professor as watersheds, annual grasses, low order perennial grasses and some climar grass species, however, the range condition class poor. For general description and map of watershed, see Bytchologic Data for Emperimental Agricultural Watersheds are provided by the same grazing and same grazing and the same grazing and grazing and

1971	ומ	AILY PRECI	ROITATION	(inches)			CHICKA	SHA, OKLA	HOMA WA	TERSBED R	-3	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	00	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.06
2	0.21	0.0	0.01	0.0	0_0	0.04	0.0	0.0	0.0	1.82	0.0	0.40
3	0.81	00	0.0	0.0	0.03	0.12	0_0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
6	0.0	0_0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.71	0.0	0.02	0.03	0.17
9	0.0	0.0	0.0	0.0	0.49	0.29	0.0	0.0	0.0	0.0	0.0	0.06
10	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.09
11	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.02	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.65	0.0	0.0	0.0	1.15
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.11	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	1.14	0.01	0.01	0.0
18	0.0	0.27	0.0	0.0	0.09	0.0	0-0	0.0	0-75	0.64	0.0	0_0
19	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.02	0.24	0.0	0.0
20	0.0	0.0	0.0	0.04	0.0	0.10	0.0	0.0	0.0	0.08	0.0	0.0
21	0.0	0.87	0.0	0_0	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0_0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.53	0.0
23	0.0	0.0	0.0	0.0	0-43	0.0	0.24	0.0	0-11	0.0	0.02	0.0
24	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	2.07	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.87	0.59	0.0	0.0	0.0	0.0	0.84	0.0	0.0
27	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.03	0.0	0.06	0.0	0.0	1.01	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0-0	0.0	0.02	0.47	0.0	0.27	0.0	0.22
30	0-0		0.0	0.0	0.33	0.03	0.0	0.0	0.0	0.08	0.05	0.0
31	0.0		0.0		1. 89		0.0	0.0		0.0		0.0
TOTAL	1.02	1. 18	0.01	1.24	3.92	2.58	2.21	2,92	4.09	4.00	0.64	2.47
STA AV	0.60	0.96	1.36	3.01	3,36	386	1.47	2.97	3.89	1.87	1.56	0.91

BOTES: Precipitation values obtained from one recording rain gage, No. 191. STA NV based on 10 yr (1962-71) record period.

197	1	HEAN DAIL	Y DISCHAR	GE (cfs)			CHICKA	SHA, OKLA	HOMA WA	IERSHED R-	-3	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	How	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0., 0	0.0	0.004	0.0	0.0
3	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0
4	0.0	00	0-0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0., 0	00	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0, 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0_0 T	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.001	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0 0	0.0	00	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	00	0.0	0.0	0_0	0.0	0.0 T	0.0	0.0	00	0.0	0.0	0.0
22	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.004	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T		0.0
3.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.020		00	0.0		0.0	· ·	0.0
AH	0.0	0.0	0.0	0.0	0.0006	0.0	0.0	00	0.0001	0.0001	0.0	0.0
CHES		0.0	0.0	0.0	0.018		0.001		0.004	0-004	0.0	0.0
A AV	0.0	0.0	0.001	0.020	0.012	0.015		0.012	0.015	0.004	0.004	0.0

BOTES: To convert discharge in CFS to IN/DAY, multiply by 0.921117. STA AV based on 10 yr (1962-71) record period.

CHICKASHA, OKLAHOMA WATERSHED R-4

LOCATION: Caddo County, Oklahoma; NW 1/4, sec. 22, T. 8 N. E. 9 N., about 4-1/2 miles North and 2-1/2 miles West of Verden, Oklahoma; Washita Birer Basin.

AREA: 18.12 acres

[BCNT	HLY PRECI	ROITATION	AND RUBO	FF (inch	es)		CE	ICKASHA,	OKLAHOHA	WATE	SHED R-	+	
1		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Жо⊽	Dec	Annual
1971	P Q		1.40	0.01	1.27 0.0	4.70 0.023	2.89 0.0	2.36	3.10 0.001	4-93 0-002	4.32 0.002	0.56 0.0	2.86 0.0	29.49 0.029
STA A	V P Q	0.64	0.94	1.34 0.0	3.12 0.061	3.65 0.019	4.08 0.030	1.49 0.000	3.06 0.019	4.15 0.016	1.97	1.60 0.004	0.96 0.0	26.99 0.153

NoTES: Natershed conditions: Watershed is in range and pasture grasses and within the same fence enclosure as Matersheds B-1, R-2 and R-2, All have essentially the same grazing management. There is a good hydrologic cover of class is poor. For general description and map of vatershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USBA Bisc. Pub. 1216, pp. 60-41-1 and 69-41-2. Precipitation data obtained from recording rain gage No. 192. Precipitation coverage period. Runoff measured by stage-volume change in a farm pond. For long-time precipitation records, see Mathonson whether Service records at Chickasha, Okla.

197	71 D.	AILY PREC	IPITATION	(inches)			CHICKA	SHA, OKLA	HONA WA	IERSHED R	-4	
Day	Jan	Peb	Bar	Apr	flay	Jun	Jul	Aug	Sep	Oct	How	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.05
1 2	0.23	0.0	0.01	0 0	0 0 0 03	0.04	0.0	0.0	0 0	1.75	0.0	0.38 0.18
1 4	0.0	0.0	0.0	0.0	0.03	0.13	0.0	0.0	0.0	0.0	0.0	0.18
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
1 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.0	0.0	0.0	0.0
1 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.74	0.0	0.02	0.02	0.23
1 9	0.0	0.0	0.0	0.0	0.56	0.37	0.0	0.0	0.0	0.0	0.0	0.09
10	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0	0.0	0.0	0.0	0.08
11	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
1 12	0.0	0.0	00	0.0	0.0	0 16	0.0	0.02	0.0	0.0	0.0	0.0
1 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74	0.0	0.0	0.0	1-40
1 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.34	0.01	0.01	0.0
1 18 1 19	0.0	0.39	0.0	0.0 0.22	0.10	0-0	0.0	0.0	0.98	0.67	0.0	0.0
20	0.0	0.01	0.0	0.22	0.0	0.12	0.0	0.0	0.04	0.06	0.0	0.0
1												
21	0_0	0.95	0.0	0.0	0.0	0.89	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.46	0.0
23	0.0	0.0	0.0	0.0	0.49	0.0	0.26 0.0	0.0	0.16 2.41	0.0	0.02	0.0
25	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.0
26	0.0	0.0	0.0	0.85	0.61	0.0	0.0	0.0	0.0	1.08	0.0	0.0
27	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0_0	0.0	0.0
28	0.0	0.04	0.0	0.06	0.0	0.0	1.19	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0_0	0.02	0.55	0.0	0.31	0.0	0.30
30	0.0		0.0	0.0	0.34	0.03	0.0	0.0	0.0	0.12	0.05	0.0
31	0.0		0.0		2-49		0.0	0.0		0.0		0.0
TOTAL	1.09	1.40	0.01	1.27	470	2.89	2.36	3.10	4.93	4.32	0.56	2.86
STA AV	0.64	0.94	1.34	3.12	3.65	4.08	1.49	3.06	4.15	1.97	1.60	0.96

HOTES: Precipitation obtained from one recording rain gage, No. 192. STA AV based on 10 yr (1962-71)

record period.

197	1	BEAS DAI	LY DISCHAE	RGE (cfs)			CHICKA	SHA, OKLAI	HOBA WAS	TERSBED R-	-4	
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0
2	0.0	0.0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0
3	0.0	0 0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	00	0.0	0.0	0.0	00	00	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	00	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	00	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	00	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
15	0_0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0
17	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	00	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0
21	0-0	0_0	0.0	0.0	0.0	0.0 T	0.0	00	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	00	0.0	0.0	00	0.0	0.0	0.0	00	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0_0	0_0	0_0 T	0.0	00	0.0	00	0_0	0_0 T	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	00	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
29	00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.017		0.0	00		0.0		0.0
SAN	0.0	0.0	0.0	0.0	0.0006	0_0	0.0	0.0	0.0001	0.0	0.0	0.0
CHES	00	0.0	00	0.0	0.023	0.0	0.001	0.001	0.002	0.002	0.0	0.0
VA AT	0.0	0.0	0.0	0.061	0.019	0.030	0.000	0.019	0.016	0-004	0-004	0.0

ROTES: To convert discharge in CFS to IM/DAY, multiply by 1.313557. STA AV based on 10 yr (1962-71) record period.

CHICKASHA, OKLAHOMA WATERSHED B-5

LOCATION: Grady County, Oklahoma; SW 1/4, sec. 12, T. 7 H., E. 6 W., about 8 miles east and 3 miles north of Chickasha, Oklahoma; Washita River Basin.

AREA: 23.72 acres

HC	HTHL	Y PRECIP	ITATION	AND RUNOI	P (inche	s)		CH3	CKASHA,	OKLAHO	HA WATE	RSHED R	₹-5		
		Jan	Feb	Bar	Apr	Bay	Jun	Jul 1	lug	Sep	Oct	Nov	Dec		Annual
	P	0.57	1.74	0.15	0-57	4 16	5.09			6.50	5.67	0.56	2.97		33.74
1971	Q	00	0.0	0.0	0.0	0.0	0.312	0.0	.003	0.204	1.010	0.0	0.25	56	1.784
TA AV	P	0.84	1.23	1.72	2-67	4.22	2.95	2.69 2	.80	4.68	2.64	1.26	1.26	5 :	28.97
	Q	00	0.030	0.046	0.215	0.142	0.154	0.055 (.000	0.085	0.171	0.004	0.04	13	0.946
	ANNU	UAL HAXI	MUM DISC	HARGE (in	/hr) AND	HAXINO	AOTORE	S OF RUNOFI	(inche	s) FOR	SELECTE	D TIME	INTERVA	LS	
	ABNU	UAL MAXI Maxi Disch Date	mum arge	HARGE (in 1 Hour Date Vol	2 1		farinus 6	Volume for	Selecte	d Time	Interva		ys	8	Days Vol.
1971	ANN	Maxi Disch	mum arge Rate	1 Hour Date Vol	2 I L. Date	Hours	faxinum 6 Ho	Volume for	Selecte Hours	d Time 1 Date	Interva Day Vol.	l 2 Da Date	ys Vol.	8 Date	Vol.
1971	ANN	Maxi Disch Date	mum arge Rate	1 Hour Date Vol	2 I L Date	Hours Vol.	faximum 6 Hor Date	Volume for urs 12 Vol. Date	Selecte Hours Vol.	d Time 1 Date	Interva Day Vol.	l 2 Da Date	ys Vol.	8 Date	Vol.

NOTES: Watershed conditions: 100% rangeland, native grass rangeland, continuously grazed by beef cattle during recent years. Range condition class during 1971 was good, however, entire area was slightly overgrazed during the spring and summer. The vegetative cover in early December 1970, based on 25 clipped samples uniformly spaced, averaged 1,660 pounds of standing grass, 300 pounds of weeds, and 1,535 pounds of sulch per acre. Prior to Oct. 1970 this watershed was within the same pasture area as Natershed Ref, however, was subjected as slightly heavier grazing rate. For general description of watershed, see Hydrologic Data for Experimental Agricultural Natersheds in the United Status, 1966, 1951 Misc. Pub. 1226, p. 69, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, USDA Misc. Pub. 1216, p. 69, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 0530 Misc. Pub. 1226, p. 69, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 0530 Misc. Pub. 1226, p. 69, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 0530 Misc. Pub. 1226, p. 69, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 0530 Misc. Pub. 1226, p. 69, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 0530 Misc. Pub. 1226, p. 69, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 0530 Misc. Pub. 1226, p. 65, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 0530 Misc. Pub. 1226, p. 65, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 0530 Misc. Pub. 1226, p. 65, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 0530 Misc. Pub. 1226, p. 65, 42-1; maps - topography, 1966, p. 6-32 of foregoing reference; revised composite, 1965, 1960, 1960, 1960, 1960, 1960, 1960, 1960, 1960, 1960, 196

197	1 D.	AILY PREC	IPITATION	(inches)			CRIC	KASHA, OK	LAHOHA WA	TERSHED B	-5	
Day	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0_0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.02
2	008 049	0.0	0.03	00	0.0	0.76 0.81	0.0	0_0	0.0	3.57 0.15	0.0	0.48
4	0.49	0.0	0.0	0.0	0.02	0.01	0.0	0.0	0.0	0.15	0.0	0.12
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20
6	0.0	0.0	0.0	0.0	0.0	0., 0	0.0	0.10	0.05	0.0	0.0	0.0
7	0.0	0.04	0.0	0.0	0.0	082	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-94	0.0	0.04	0.02	0.43
10	0.0	0.0	0.0	0.0	0.85	0.19	0.02	0_0	0.0	0.0	0.0	0.14
10	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.19
11	0.0	0.0	0.0	0.0	00	0.06	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	00	0.0	0.0	00	1. 17	00	0.07	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	00	0.0	2.32	0.0	0.0	0.0	1.01
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
17 18	0-0	0.0	0.0	0.01	0.0	0_0	0.0	0.0	1.82	0.0	0.10	0.0
18	0.0	0.19	0.0	0.0 0.07	0.10	0.0	0.0	0.0	2.36 0.10	0.43 0.66	0.0	0.0
20	0.0	0.0	0.0	0.07	0.0	0.52	0-0	0.0	0.10	0.15	0.0	0.0
21	0.0	1.44	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.04	0.0	0-0	0.14	0.0	0.0	0.0	0.36	0.0
23	0.0	0.0	0.0	0.0	0.97	0.0	0.63	0.0	0.27	0.0	0.02	0.0
24	0.0	0.05	00	0.0	00	0.0	0.0	0.0	1.86	0.0	0.0	0.0
25	00	00	0.12	0.0	0.0	0_0	0.0	0.0	0.04	0.0	0.0	0.0
26	0.0	0.0	0.0	0.03	0.99	0.0	0.0	0.0	0.0	0.65	0.0	0.0
27	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 29	0.0	0.02	0.0	0.0	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.0
30	00		0.0	0.18	0.0 0.30	0.0	0.0	0.01	0.0	0.0	0.0	0.37
31	0.0		0.0	0.0	0.77	0.01	0.0	0.0	0.0	0.02	0.06	0.0
TOTAL	0.57	1.74	0.15	0.57	4.16	5.09	1_86	3,90	6.50	5,67	0.56	2.97
STA AV	0.84	1.23	1.72	2.67	4.22	2.95	2.69	2.80	4.68	2.64	1.26	1.26

NOTES: Precipitation obtained from Thiessen weighted values from two gages, Nos. 195 and 196. STA AV based on 6 yr (1966-71) record period.

197	1	MEAN DAIL	Y DISCHAR	GE (cfs)			CHICE	ASHA, OKI	AHOHA WAS	ERSHED R-	-5	
Day	Jan	Peb	Mar	Apr	May	Jun	Jul	àng	Sep	Oct	Nov	Dec
1	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	00	0.0	0.0	0.007	0.0	0.0	0.0	0.771	0.0	0.0
3	0.0	0.0	0.0	00	0.0	0 135	0.0	0.0	0.0	0-235	0.0	0.0
4	0.0	0.0	0 0	0.0	0.0	0 0	0.0	0.0	0.0	00	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0
6	0.0	0.0	0.0	0.0	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
8	0.0	00	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	00	0.0	00	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	00	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.169	00	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_001	0.0	0.0	0.0	0.233
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.022
16	0.0	0_0	0.0	0.0	0.0	0.0	0_0	0_0	00	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.086	0.0	0.0	0.0
19	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0., 0	0.0	00	0.117	0.0	0.0	0.0
25	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T 0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	00	0.0	00	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AN	0.0	0.0	0_0	0_0	0.0	0.0103	0.0	0_0001	0.0068	0.0325	0.0	0.008
CHES	0.0	0.0	0.0	0.0	0.0	0.312	00	0.003	0.204	1-010	0.0	0.25
AAV	0.0	0.030	0.046		0.142	0.154		0.000	0.085	0.171		0.04

NOTES: To convert mean daily discharge in CFS to IS/DAY, multiply by 1.003442. STA AV based on 6 yr (1966-71) record period.

CHICKASHA, OKLAHCHA WATERSHED R-6

LOCATION: Grady County, Oklahoma; SW 1/4, sec. 12, T. 7 M., B. 6 W., about 8-1/2 miles east and 3 miles morth of Chickasha, Oklahoma; Washita River Basin.

AREA: 27.22 acres

ac	CNTHLY	PRECIPI	TATION	AND BUNCF	P (inches	5)		c	HICKASHA,	OKLAHO	HA WATER	RSHED R-6		
		Jan	Feb	Bar	Apr	Нау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.52 0.0	1.72	0.14 0.0	0.60 0.0	4.07 0.002	5-01 0-175	1.88	3.85 0.029	6.56 0.307	5.41 0.982	0.56 0.0	2.91 0.141	33.23 1.649
STA AV	P Q	0.84	1.26 0.018	1.72 0.031	2.62 0.226	4.30 0.172	2.92 0.097	2.68 0.042	2-81 0-011	4.73 0.103	2.57 0.169	1.26 0.007	1.25 0.023	28.96 0.898
	ANNU	Maxim Discha	un	HARGE (in,			aximus 1	olume fo	FF (inche	ed Time			TERVALS	
		Date F		Date Vol.		Vol.			te Vol.			Date Vo		e Vol.
1971		10-2 0	. 452 1	0-2 0.3				850 10-		9 10- 2	0.979 1	10- 1 0.	979 9-2	5 0.979
					,	MALGUES	TOR PAR	ILOD OF F	TECORD					
		4-12 1 1967		3-12 0.65	58 4-12 1967	0.808	4-12 (1967		2 0.979	9 10- 2 1971	0.979	4-11 0.	989 4-1 196	

NOTES: Vatershed conditions: 100f rangeland, native grass continuously grazed by beef cattle during recent years. Range condition class during the year was good to ercellent, however, entire area was slightly overgrazed throughout the year. The vegetative cover in mid-Fov. 1970, based on 25 unifornly spaced clipped samples, averaged 2,500 pounds of standing grass, 200 pounds of weeds, and 2,700 pounds of suich. This watershed was in the same pasture area as Watershed 8-5, however, was subjected to a slightly lighter grazing fate. For general description and map of watershed, see Sydrologic Data for Experimental Agricultural Watersheds in the United States, 1966, USDA Size. Pub. 122c, pp. 65,43-1 and 65,43-3. a nonthly precipitation obtained from Thiessen weighted trainfall values from two gases, Nos. 196 and 197. Peccipitation and runoff records began July 1, 1966. STA AF Based on 6 yr (1966-71) record period. Por long-time precipitations records, see bational Heather Service records at Chicksha, Ohlabon.

1971	Di	ILY PREC	IPITATION	(inches)			CHIC	KASHA, OK	LAHORA WA	IBBSRED R	-6	
Da y	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0_0	0.0	0.0	0.49	0.0	0.0	0.0	00	0.03
2	0.08	0.0	0.02	00	0.0	0.82	0.0	0.0	0.0	3.39	0.0	0.50
3	0.44	0.0	0.0	0.0	0.01	0.83	0.0	0.0	0.0	0.14	0.0	0.12
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.04	0.0	0.0	0.0
7	0.0	0.04	0.0	0.0	0_0	0.80	00	0.0	0_0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.0	0.03	0.02	0.42
9	0.0	0.0	0.0	0.0	0.83	0 19	0.02	0.0	0.0	0.0	0.0	0.12
10	0.0	0.0	0.0	00	0.01	0.40	0.0	0.0	0.0	0.0	0.0	0.20
11	0.0	0.0	0.0	0 0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	102	0.0	0.08	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	00	0.0	0.0	0.31	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	00	2.25	0.0	0.0	0.0	0.97
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.17	0.0	0.0	00	0.16	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	1.80	0.0	0.10	0.0
18	0.0	0.17	0.0	0.0	0.09	0.0	0.0	0.0	2.40	0.41	0.0	0.0
19	0.0	0.0	0.0	0.07	0_0	0.0	0.0	0.0	0.10	0.66	0.0	0.0
20	0.0	0.0	0.0	0.08	0.0	0.51	0.0	0.0	0.0	0.16	0.0	0.0
21	0.0	1-44	0.0	0.0	0.0	0.37	0.0	0_0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	005	0.0	0.0	0.13	0.0	0.0	0.0	0.36	0.0
23	0.0	0.0	0.0	0.0	0.97	0.0	0.60	0.0	0.28	0.0	0.03	0.0
24	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	1.88	0.0	0.0	0.0
25	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
26	0.0	0.0	0.0	0.02	0.94	0.0	0.0	0.0	0.0	0.60	0.0	0.0
27	0.0	0.0	0.0	00	0.16	0.0	0_0	00	0.0	0.0	0.0	0.0
28	0.0	0.02	0_0	0.0	0.0	0.0	064	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.20	0.0	0.0	0.0	0.01	0.0	0_0	0.0	0.35
30	0.0		0.0	0.0	0.30	0.02	0.0	0.0	0.0	0.02	0.05	0.0
31	0.0		0.0		0.76		00	0.0		0.0		0.0
OTAL	0.52	1.72	0.14	0.60	4.07	5.01	188	3.85	6.56	5.41	0.56	2.91
VA AT	0.84	126	1.72	2.62	4.30	2.92	2.68	2.81	4.73	2.57	1.26	1.25

NOTES: Precipitation obtained from Thiessem weighted rainfall values from two gages, Nos. 196 and 197. STA AV based on 6 yr (1966-71) record period.

197	11	MEAN DAIL	Y DISCHAR	GE (cfs)			CHIC	KASHA, OK	LABOMA WA	IERSHED R	-6	
Day	Jan	Feb	Sar	Apr	Bay	Jun	Jul	Aug	Sep	0ct	ROA	Dec
1 2 3 4 5	0.0 0.0 0.0 0.0 0.0	0-0 0-0 0-0 0-0	0 - 0 0 - 0 0 - 0 0 - 0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 T 0.025 0.103 0.0	0.0 0.0 0.0 0.0 0.0	0_0 0_0 0_0 0_0 0_0	0.0 0.0 0.0 0.0 0.0	0.0 0.936 0.184 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
6 7 8 9 10	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.001 0.0 0.002
11 12 13 14 15	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.072 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.032 0.031	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.155 0.003
16 17 18 19 20	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0 0.0 0.0	0-0 0-0 0-0 0-0 0-0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.005 0.151 0.0	0.0 0.0 0.0 0.0 0.003	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
21 22 23 24 25	0.0 0.0 0.0 0.0 0.0	0.015 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0 • 0 0 • 0 0 • 0 0 • 0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.194 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
26 27 28 29 30 31	0 = 0 0 = 0 0 = 0 0 = 0 0 = 0	0.0 0.0 0.0	0-0 0-0 0-0 0-0 0-0	0-0 0-0 0-0 0-0 0-0	0-0 0-0 0-0 0-0 0-0 0-0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
MEAN INCHES STA AV	0.0 0.0 0.0	0.0005 0.013 0.018	0.0 0.0 0.031	0.0 0.0 0.226	0.0001 0.002 0.172	0.0067 0.175 0.097	0.0 0.0 0.042	0.0011 0.029 0.011	0.0117 0.307 0.103	0.0362 0.982 0.169	0.0 0.0 0.007	0.0052 0.141 0.023

NOTES: To convert discharge in CFS to IB/DAY, multiply by 0.874418. STA AV based on 6 yr (1966-71) record period.

CHICKASHA, OKLAHOMA WATERSHED B-7

LOCATIOB: Grady County, Oklahoma: HW 1/4, sec. 13, T. 7 H., E. 6 W., about 8 miles east and 2-1/2 miles north of Chickagha, Oklahoma: Washita Biver Basin.

AREA: 19.19 acres

HO	NTBL	A BEECI	HOITATION	AND RUNO	FF (inche	s)		CH	ICKASHA,	HOBIELY PERCIPITATION AND RUNOFF (inches) CHICKASHA, OKLAHORA WATERSHED R-7												
		Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec	Annual								
	P	0.51	1.70	0.16	0.54	4.14	5.12			6.21	5.54	0.52	2.90	32.95								
1971	Q	0.0	0.177	0.0	0.0	0 284	1.331	0.0	0-477	1.794	2.031	0.0	0.630	6.723								
TA AV	P	0.82	1.17	1.67	2.48	4.12	2.91			4.53	2.49	1.17	1.21	27.95								
	Q	0.061	0.101	0.162	0.527	0.645	0.638	0.349	0.194	0.838	0.486	0.123	0.105	4.229								
	ABNU	DAL HAX	HUM DISC	CHARGE (i	n/hr) AHD	BAXIBU	R VOLUME	S OF BUNOP	P (inche	s) FOR	SELECTE	D TIME	INTERVAL	s								
	NHA	Baxi	aua				Maximus	Volume for	Selecte	d Time	Interva	1										
	THEA		iaua iarge		2		Maximum 6 Ho	Volume for urs 12	Selecte	d Time	Interva	1 2 Da	 .ys									
1971	JANA	Baxi Disch	imum iarge Bate	1 Hour Date Vo	1. Date	Hours Vol.	Maximum 6 Ho Date	Volume for urs 12	Selecte Bours e Vol.	d Time 1 Date	Interva Day Vol.	1 2 Da Date	ys Vol. E	8 Days								
1971	ANNE	Baxi Disch Date	imum iarge Bate	1 Hour Date Vo	2 1. Date 603 10- 2	Hours Vol.	Maximum 6 Ho Date	Volume for urs 12 Vol. Dat	Selecte Bours e Vol. 2 1.889	d Time 1 Date	Interva Day Vol.	1 2 Da Date	ys Vol. E	8 Days								

NOTES: Watershed conditions: Formerly cultivated from about 1907 until about 1935 when the land use was changed to pasture because of severe erosion. Hange condition class during the year was poor to fair. The wegetative cover in mid-row 1970 hased on 25 uniforally pasted clipped Samples, averaged 1,330 pounds of standing grass, 160 pounds of Watershed 18-8, bowever, it was enclosed by separate fence in order to implement an improved management program. For general description and map of watershed, see Hydrologic Data for Experimental Agricultural Materisheds in the United States, 1966, USDA Misc. Pub. 1226, pp. 69.48-1 and 69.44-3. Routhly precipitation obtained from Thiessen weighted rainfall values from two gages, Mos. 1933 and 194. Precipitation and runoff records began July 1, 1966. STA AV based on 6 yr (1966-71) record period. For long-time precipitation records, see National Weather Service records at

1971	D	ILY PREC	IPITATIOB	(inches)			CHIC	KASHA, OK	TYRONY AY	TERSHED R	-7	
Day	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	How	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.02
2	0.07	0.0	0.03	0.0	0., 0	0.92	0.0	0.0	0.0	3.54	0.0	0.46
3 .	0.44	0.0	0.0	0.0	0.02	0.77	0.0	0.0	0.0	015	0.0	0-15
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
6	0.0	00	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.0	0.68	0.0	0.0	0.0	0.0	0.0	0.0
8	00	0.0	0_0	0.0	0.01	0.0	0.0	0.99	0.0	0.03	0.03	0.38
9	0.0	0.0	0.0	0 0	0.80	0.17	0.0	0.0	0.0	0.0	0.0	0.12
10	0.0	0.0	0.0	00	0.01	0.42	0.0	0.0	00	0.0	0.0	0.21
11	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	00	00	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.18	0.0	0.08	0.0	0.0	0.0	0.0
13	0.0	00	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0
14	0.0	0.0	0_0	0_0	0.0	0.0	0.0	2.33	0.0	0.0	0.0	1.02
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	00	0.0	0.0	0.01
16	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.01	0.0	00	0.0	0.0	1.69	0.0	0.10	0.0
18	0.0	0.20	0.0	0.0	0.10	0_0	0.0	0.0	2.33	0.41	O ⁽⁰⁾ O	0.0
19	0.0	0.0	0.0	0.08	0.0	0.0	00	0_0	0.09	0.60	0.0	0.0
20	0.0	0.0	0.0	0.04	0.0	0.56	0.0	0.0	0.0	0.17	0.0	0.0
21	0.0	1.41	0.0	0.0	0.0	0.36	0-0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05	0.0	0.0	0.11	0.0	0.0	0.0	0.31	0.0
23	0.0	0.0	0.0	0.0	1.02	0.0	0.60	0.0	0.25	0.0	0.03	0.0
24	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0_0	1.80	0.0	0.0	0.0
25	0.0	0.0	013	00	0-0	0.0	0.0	0.0	0.05	0.0	0.0	0.0
26	0.0	0.0	0.0	0.02	0.95	0.0	0.0	00	0.0	0.63	0.0	0_0
27	0.0	0.0	0.0	0.0	017	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.03	0.0	0.0	0.0	0.0	0.59	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.19	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.35
30	0.0		0.0	0.0	0.28	0.01	0.0	0.0	0.0	0.01	0.05	0.0
31	0.0		0.0		0.78		0.0	0.0		0.0		0.0
TOTAL	0.51	1.70	0.16	0.54	4.14	5.12	1.66	3.95	6.21	5.54	0.52	2.90
STA AV	0.82	1.17	1.67	2-48	4. 12	2.91	2.56	2-82	4.53	2.49	1-17	1.21

NOTES: Precipitation obtained from Thiessen weighted rainfall values from two gages, Nos. 193 and 194. STA AV based on 6 yr (1966-71) record period.

197	1	MEAN DAIL	Y DISCHAR			CHICKASHA, OKLAHOMA WATEBSHED E-7								
Day	Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Bo⊽	Dec		
1	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	00	0.0	0.0	0.0	0.0		
2	0_0	0.0	0.0	0.0	0.0	0-251 0-343	0.0	0.0	0.0	1.373 0.150	0.0	0.0		
8	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.150	0.0	0.0		
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0-0	0.0		
7	0.0	0.0	00	0.0	0.0	0-025	0.0	0.0	0.0	0.0	0.0	0.0		
8	00	0.0	0.0	0.0	0.0	0.001	0.0	0.006	0.0	0.0	0.0	0.060		
9	00	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0		
10	0.0	G . 0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.057		
11	0.0	0.0	0.0	0.0	0.0	0.015	0.0	0 0	0.0	0.0	0.0	0.0		
12	0.0	0.0	0.0	0.0	0.0	0.436	0.0	0.0	0.0	0.0	0.0	0.0		
13	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.366	0.0	0.0	0.0	0.362		
15	0.0	0.0	0.0	0.0	0.0	0.0	00	0.013	0.0	0.0	0.0	0.008		
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	00	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.056	0_0	0.0	0.0		
18	0 0	00	00	0.0	0.0	0-0	0.0	0.0	0.713	0.0	0.0	0.0		
19 20	0.0	0.0	0.0	0.0	0.0	0.0 0.0 T	0.0	0.0	0.0	0.062	0.0	0.0		
20	00	00		0.0	0.0	0.0 T	0.0	00	0.0	0.004	0.0	0.0		
21	0.0	0.143	0.0	0.0	0.0	0.003	0.0	00	0.0	0.0	0.0	0.0		
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
23	0.0	0.0	0.0	0.0	0.051	00	0.0	00	0.0	0.0	0.0	0.0		
24	0.0	0.0	0.0	0.0	0-0	0.0	0.0.	0.0	0.676	0.0	0.0	0.0		
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
26	0.0	00	0.0	00	0.038	0.0	0.0	0.0	0.0	0047	0.0	0.0		
27	0.0	0.0	0.0	0.0	0.034	0-0	0.0	0.0	0.0	0.001	0.0	0.0		
28 29	0.0	0.0	0.0	0.0	00	00	0.0	0.0	0.0	0.0	0.0	0.0		
30	0.0		0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0.021		
31	0.0		0.0	0.0	0.106	0-0	0.0	0.0	0.0	0.0	0.0	0.0		
BEAR	0.0	0.0051	0.0	0_0	0.0074	0.0358	0.0	0.0124	0.0482	0.0528	0.0	0.0164		
INCHES	0.0	0-177	0_0	0-0	0.284	1.331	0.0	0-477	1-794	2.031	0.0	0.630		
STA AV	0.061	0.101	0.162	0.527	0.645	0.638	0349	0.194	0.838	0.486	0.123	0.105		

NOTES: To convert mean daily discharge in CFS to IB/DAY, multiply by 1.240315. STA AV based on 6 yr (1966-71) record period.

CHICKASHA, OKLAHOMA WATERSHED B-8

LOCATION: Grady County, Oklahoma; NH 1/4 sec. 13, T. 7 W., R. 6 W., about 8-1/2 miles east and 2-1/2 miles north of Chickasha, Oklahoma; Washita River Basin.

AREA: 27,55 acres

BO	NTHLY	PRECIP	HOLLATI	AND RUNO	FF (inche	s)		c	HICKASHA,	OKLAH	OMA WATE	RSHED R	-8	
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	No₹	Dec	Annual
	P	0.50	1.65	0.15	0.58	4.03	480	1.90		6.19	5.20	0.56	2.90	
1971	Q	0.0	0.056	0.0	0.0	0.129	0.746	0.0	0.197	1. 222	1.567	0.0	0.38	4 4.302
STA AV	P	0.84	1.26	1.74	2.48	4.29	2.88	2.63		4.61	2.44	1-21	1.24	
	Q	0.016	0.048	0.070	0308	0.452	0.391	0-222	0.086	0.549	0.339	0.047	0.06	5 2.593
		Maxi Disch Date	sus arge		2	Hours	Haximum 6 Ho	Volume for Volume for Volume 1	r Selecte	d Time	Interva Day	1 2 Da	 ys	8 Days
1971		10- 2												9-25 1.50
						HAXIBUE	S FOR PE	RIOD OF B	ECORD					
		5- 6	1_828		700 40 0	0 076	10- 2	1.380 10-	2 1 #90	10- 2	1.500	10- 1	1.500	9-25 1.50

ROTES: Watershed conditions: Formerly cultivated from about 1907, when land use was changed to pasture because of sewere encoion. Bange condition class during the year was poor to fair. The regetative cover in mid-Mov. 1970, based per acre of mulch. For general description and map of watershed, see Mydrologic Data for Experimental Agricultural Watersheds in the United States, 1966, USDA Misc. Pub. 1226, pp. 69.45-1 and 69.45-3. Monthly precipitation obtained from Thiesseen weighted rainfall values from two gages, Mos. 1973 and 198. Precipitation and runoff records began July 1, 1966. STA NY based on 6 Tr (1966-71) tecord period. For long-time precipitation records, see National Weather Service records at Chickasha, Oklahoma.

197	1 D	AILY PREC	ROITATION	(inches)			CHIC	KASHA, OK	THOMA MY.	ERSBED E-	В	
Da y	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.03
2	0.10	0.0	0.03	0.0	0-0	0.90	0.0	0.0	0.0	3.26	0.0	0.51
3	0.40	0.0	0-0	0.0	0.01	0.80	0.0	0.0	0-0	0.13	0.0	0.15 0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.01	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.0	0.71	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.0	0.04	0.02	0.39
9 10	0.0	0.0	0.0	0.0	0.82	0.16	0_0	0.0	0.0	0.0	0.0	0.13
10	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.19
11	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.94	0.0	0.10	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	00	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	00	0.0	0.0	2.10	0-0	0.0	0.0	0.96
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_04	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0
17 18	0.0	0.0 0.16	0.0	0-01	0.0	0.0	0.0	0.0	1.67 2.29	0.0	0.10	0.0
19	0.0	016	0.0	0.0	0.10	0.0	0.0	0.0	0.09	0.41	0.0	0.0
20	0.0	0.0	0.0	0.08	0.0	0.47	0.0	0.0	0.0	0.13	0.0	0.0
21	0.0	1.42	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.04	0.0	0.0	012	0.0	0_0	0.0	0.35	0.0
23	0.0	0.0	0.0	0.0	1.01	0.0	0.57	0_0	0.26	0.0	0.03	0.0
24	0.0	0.05	0.0	00	0.0	0.0	0.0	0.0	1.81	0.0	0.0	0.0
25	0.0	0.0	0 12	0.0	0.0	0.0	0-0	0.0	0.06	0.0	0.0	0.0
26	0.0	0.0	0.0	0.02	0.92	0.0	0.0	0.0	0.0	0.59	0.0	0.0
27 28	00	0.0	00	0.0	0.16	0.0	0.0	0.0	0-0	0.0	0.0	0.0
28	0.0	0.01	0.0	0.0 0.18	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.0 0.36
30	0.0		0.0	0.18	0.0	0.02	0.0	0.02	0.0	0.01	0.06	0.36
31	0.0		0.0	0.0	0.73	0.02	0.0	0.0	0.0	0.0	0.00	0.0
TOTAL	0.50	1.65	0.15	0.58	4.03	4.80	1.90	369	6.19	5.20	0.56	2.90
VA ATS	0.84	1.26	1.74	2.48	4.29	2.88	2.63	2,76	4-61	2.44	1.21	1.24

NOTES: Precipitation obtained from Thiessen weighted rainfall values from two gages, Nos. 197 and 198. SIM AV based on 6 yr (1966-71) record period.

197	1	MEAN DAIL	Y DISCHAR	E (cfs)			CHIC	KASBA, OK	TYRONY AV.	IERSBED R-	-8	
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	HOW	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.214	0.0	0.0	0.0	1.562	0.0	0.0
3	00	0.0	00	00	0.0	0.370	0.0	0.0	0.0	0.174	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0 0	0.0	0.0	0.0	00	0.0	00	0.0	0.0	0.0	0.0
6	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.022	0.0	0-0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.020	0.0	0.0	0.0	0.036
9	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	00	0.0	0.0	0.0	0.0	0.0 T	0.0	00	0.0	0.0	0.0	0.036
11	0.0	0.0	0.0	00	0.0	0.009	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.246	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-199	0.0	0.0	0.0	0.339
15	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.009	0.0	0.0	0.0	0.008
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.042	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.691	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.046	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0-0	0.0	0.003	0.0	0.0
21	0.0	0.065	0.0	0.0	0.0	0.002	00	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	00	0.049	0_0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.682	0.0	0.0	0.0
25	0.0	0.0	00	0_0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0 0	00	0.0	0.021	0.0	0.0	0.0	0.0	0.028	0.0	0.0
27	0.0	0.0	0.0	00	0.017	0.0	0.0	0.0	0.0	0.0 T	0.0	00
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0_0	0.0	00	0.0	0.0	0.0	0.026
30	0.0		0.0	00	0.0	0 0	0.0	0-0	0.0	0.0	0.0	0.0
31	00		0.0		0.062		0.0	0.0		0.0		0.0
EAH	0.0	0.0023	0.0	00	0.0048	0.0288	0.0	0.0074	0.0472	0.0585	0.0	0.014
BCHES	0.0	0.056	0.0	0.0	0.129	0.746	0.0	0.197	1.222	1.567	0.0	0.38
CA AV	0.016	0.048	0-070	0.308	0.452	0.391	0.222	0.086	0.549	0.339	0.047	0.06

HOTES: To convert discharge in CFS to IB/DAY, multiply by 0.863944. STA AV based on 6 yr (1966-71) record period.

SONORA, TEXAS WATERSHED W-14

LOCATION: Sutton County, Texas; gaging station on Water Street at Sonora city limit; Lowery Draw, East Fork Devils River, Devils River, Rio Grande River Basin.

AREA: 30720.00 acres 48.00 sq. miles

BC	HTHL.	PRECIE	HOITATION	AND RUE	OFF (inc	ches)			SONORA	, TEXAS	WATERSH	ED 8-1	4		
		Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	0ct	HOV	Dec		Annual
1971	P Q	0.0 0.0	1.62	0.0	2.67 0.0	0.88 0.0	1.92 0.0	4.05 0.020	8.07 0.0	2.06 0.0	4.25 0.0	0-49 0-0	0.7		26.82 0.020
TA AV	P Q	0-68 0-0	1.33	0.86 0.0	2.65 0.0	2.86 0.012	1.67 0.0	1.69 0.002	2.15 0.0	3.75 0.084	2.07 0.007	1.35 0.0	0.7 0.0		21.83 0.105
	ANN	Maxi Disch	mum arge		r	2 Hours	faximum 6 He	Volume fo	or Select	ed Time	Interva	1 2 Da		8	Days
		7-28		7-28		-28 0.010					0.014				C-020
1971			0.000												
1971			0.000					ERIOD OF 1							

NOTES: Watershed conditions: 0.4% caliche and paved roads; 0.3% urban area; 0.3% cropland; 99.0% rangeland.

Cropland seeded to oats in fall for winter grazing. Rangeland moderately to severely overgrazed during the year

depending on climatic conditions and stocking rates. For map of vatershed, see Bydrologic bata for Experimental

Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, p. 70.1-7. Precipitation data by Thiessen

method using rain gages 1, 1-A, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13. Precipitation and urmoff records began

Bay 1961; part-year asounts not included in averages. For long-time precipitation records, see National Weather

Service records at ferms Agricultural Experiment Station, Substation No. 14, 18 miles south of Sonora, Peras.

197	1 DAI	LY	AIR T	EMPE	RATUR	B (d								S	ONORA	, TB	XAS W	ATER	SHED	W-14				
Day	Jan max m		Pe max		naz		Ap max		na x	y min	Ju max		Ju max		Au mar		Se max	P min	nax		No.		De max	
1	69	41	56	31	74	48	78	56	79	54	95	69	88	70	82	62	88	64	79	67	77	60	44	39
2		48	55	38	73	37	67	37	84	55	94	72	89	64	67	63	87	68	79	68	80	54	42	39
1 3		52	62	44	51	22	70	38	87	57	93	71	91	68	77	62	85	69	79	65	79	46	44	33
1 4		23	62 67	45 27	62 77	32 43	69 65	51 36	87 83	63	90	67 69	95 96	69 68	78 77	59 61	90 91	70 70	77	60	67 72	42 50	46	33
, ,	.54	• • •	67	21	"	43	65	30	0.3	64	90	0.9	96	00	"	01	91	70	12	01	12	30	44	30
i 6	35	11	66	31	77	39	63	32	90	65	92	69	95	67	76	59	94	69	77	56	70	47	60	32
1 7		21	51	22	58	27	70	33	89	60	95	69	95	68	75	60	95	67	76	55	49	40	67	39
1 8		18	54	12	65	37	77	49	83	65	93	69	93	70	80	62	94	66	73	59	60	46	70	48
1 9		26 30	54 61	25	76 70	51 43	78 77	54 55	83 86	69 67	93	69 70	94	69 67	84	63 70	90 87	63	74	60	68	51	67	36
10	70	30	6.1	22	70	43	//	55	86	67	91	/0	95	67	84	70	87	63	78	48	69	36	62	34
11	75	38	77	45	78	55	83	54	89	61	91	72	95	72	83	65	85	65	78	52	69	40	66	35
12		50	76	42	81	51	82	58	71	53	87	64	91	70	75	68	87	63	78	57	68	43	63	43
13		58	67	33	85	45	79	57	71	40	87	66	93	69	76	67	90	57	73	56	73	50	65	35
1 14		44	75	43	83	57	74	55	81	45	87	66	93	67	76	66	89	62	77	54	73	52	73	53
15	77	34	76	33	75	35	75	57	87	55	90	67	92	68	82	65	89	60	81	62	74	60	65	35
16	70	32	81	49	77	45	72	53	89	62	86	64	94	68	85	65	91	61	80	6.3	75	65	64	45
17	76	36	81	52	77	49	73	54	93	62	87	66	94	72	86	66	91	67	79	67	72	60	56	41
18		42	76	62	75	59	85	55	93	63	89	68	92	71	85	64	86	53	76	61	68	45	55	39
1 19		28	75	50	65	33	81	61	90	56	89	67	94	69	85	63	53	49	77	59	60	34	65	39
20	62	32	80	43	67	33	72	46	81	61	86	65	94	69	85	67	74	45	67	46	72	36	71	39
21	77	47	78	35	83	47	81	45	85	67	88	67	94	68	86	68	75	49	74	45	72	59	69	38
1 22		46	52	27	87	45	87	60	88	68	87	67	95	72	87	67	75	65	76	49	65	48	69	33
23		38	65	29	81	39	82	50	93	70	85	65	93	71	89	68	78	66	76	55	58	39	67	38
24		47	65	39	81	50	82	49	94	60	87	63	91	68	89	69	77	65	72	45	58	35	71	42
25	/5	43	67	51	79	57	84	55	85	54	89	68	79	67	90	68	80	67	75	54	56	40	71	47
26	75	36	66	44	84	42	93	63	85	67	87	60	79	70	89	67	84	68	75	63	65	39	70	50
27		36	66	39	83	56	91	66	85	70	79	67	79	68	89	69	83	70	73	45	64	35	75	57
28		45	70	52	93	57	91	61	87	64	80	69	82	69	87	68	82	69	75	57	63	47	74	50
29		53			90	53	91	59	87	70	81	66	88	69	88	70	80	65	75	65	74	39	70	59
30 31		40 42			74 79	54	73	56	88	67 70	87	70	87 81	67 61	87 86	65 64	79	65	79 77	66 65	68	40	67	45 46
AV.	68		67			45	78		86			67		69		65	84			58		46		41
MEAN	52.		52		60		65			- 7		-0		-7		- 0	73			- 9		- 0	52	
STA AV	60	33	61	35	70	42	79	53	83	59		65		67	92	67		62		53		43		36

NOTES: Temperature data taken daily with maximum and minimum thermometers. Readings were taken at 1630 of the day shown. STA AV based on 8 yr record period.

1971		DAILY PRECI	PITATION	(inches)				NORA, TEX				
Day	Jan	Feb	Mar	Apr	Вау	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.31	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	00	0.0	0.0	1.68	0_0	0.0	0.0	0.38E
4	0_0	0.0	0.0	0.0	0.0	0.00E	0.0	0.0	0.0	1. 28	0.0	0.0
5	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0-02 0-07E	0.0	0.00 0.00E	0.0	0-02E
,	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.072	0.0	0.00E	0.0	0.14E
6	0.0	0.0	0.0	0_0	0.10E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.61E	0.0	0.0	0.15E	0.0	0-47	0.15E	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-62	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.25E
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.86	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.08E	0.01	0.0	0.92	0.0	0.0	0_0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.75	0.0	0.23E	0.0	0.0	0.0	0.0
13	0.0	0.0	0_0	0.0	0.0	0.39	0.0	0.63E	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	00	0.53E	0.0	0.01E	0.0	0.0
15	0 = 0	0.0	00	0.0	0.0	0.0	0.0	1. 57	0.0	0_0	0.0	0.0
16	0.0	0.0	0.0	1.70	00	0.00E	00	0_0	0.0	0.0	0.0	0_0
17	0.0	0.0	0.0	0.08E	0.0	0.0	0.0	0.0	0.0	0~03B	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12E	0.15B	0.0	0_0
19	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	00	0.36E	0.99	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0-29E	0.0	0.0	0.0	0.33E	0.0	0_0	0_0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.35B	0.0	0.0	0.16E	0.0	0.35E	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.29E	0.0	1_18	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0-00E	0.0	0.09E	0_0	0.24E	0.0	0.0	0.0
25	0.0	1.34	0.0	0.0	0.0	0.0	0.71	0.0	0.00E	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.71E	0.02E	0.0	0.69	0.0	0.0
27	0.0	0.0	0.0	0.0	0.05E	0.0	1.49	00	0.0	0.00E	0.0	0.0
28	0.0	0.0	0_0	0.03	0.0	0.03E	0.75E	0.09E	0_0	0.0	0.0	0.0
29	0.0		0.0	0.76	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
30	0.0		0_0	0.0	0.03E	0.0	0.01E	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.01E	0.0		0.0		0.0
TOTAL	0.0	1.62	0.0	2.67	0.88	1.92	4.05	8.07	2.06	4.25	0.49	0.79
STA AV	0.68	1.33	0.86	2.65	2.86	1.67	1.69	2.15	3.75	2.07	1.35	0.76

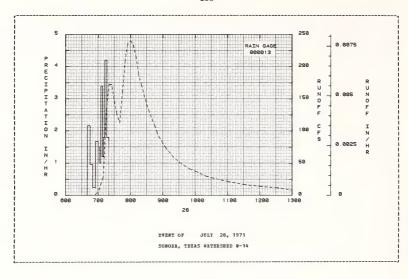
NOTES: Precipitation values are Thiessen weighted average of rain gages 1, 1-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13. Records began May 1961; part-year amounts not included in averages. STA AV based on 10 yr period. Estimate codes may indicate that non-significant event totals are included.

197	1	MEAN DAIL	LY DISCHA	RGE (cfs)			S	ONORA, T	EXAS WATER	SHED W-14		
Day	Jan	Peb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	No∀	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
4	0_0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
5	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	00	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	00	0.0	0.0	0.0	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0
10	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	00	00	0.0
12	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0
14	0.0	0.0	0.0	00	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0_0	0.0	0.0
24	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
25	0_0	00	0.0	0.0	0.0	0.0	0_0	0.0	0_0	0.0	0.0	0.0
26	0.0	. 0.0	0.0	0.0	0.0	0.0	5.097	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	2.780	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	18.098	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.254	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	00	0.0	0.0	00	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AH	0.0	0.0	0.0	0.0	0.0	0.0	0.8461	0.0	0.0	0.0	0.0	0.0
CHES	0.0	0.0	0.0	0.0	0.0 0.012	0.0	0.020	00	0.0	0.0	0.0	0.0

HOTES: To convert mean daily discharge in CFS to IB/DAY, multiply by 0.000775. Records began May 1961; part-year amounts not included in averages. STA AV based on 10 yr period.

1 SELECTED RUNOFF							WATERSBEI		
ARTECEDENT CONDITION				ENPALL			RUNGI		
	Runoff (inches)		Time of Day	Intensity (in/hr)	(inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
		E	VENT OF	JULY 28	, 1971				
RG 000013			RG 0000						
7-28 0.0	0.0	7-28	640	0.0	0.0	7-28	645	0.0	0.0
			645	2.1600			650	0.290	
			650	0.9600	0.26		655	1. 330	0.0
			655	0.2400	0.28		700	5.170	0.0
			700	1_6800	0-42		705	16.360	0.0
ATERSHED CONDITIONS:									
4% caliche and paved			702	1.5000	0-47		710	30.410	0.0001
3% urban area; 0.3% c	rop-		705	1_0000	0.52		715		0.0003
nd; 99.0% rangeland.			708	3.4000	0.69		720	172.390	C-0007
nd seeded to oats in			710	1.2000	0.73		725	172.390	C.0012
r winter grazing. Ras			712	1.8000	0.79		730	145.950	0.0016
ad moderately to seven			716	. 2002	1.07		735	***	0.0000
ergrazed during the ye	ear		716	4.2000			740	124-110	0.0020
pending on climatic			720	1.8000	1. 19		740 745	112-830	0.0023
nditions and stocking								160.940	6.0027
tes.							750	211-940	0.0032
							755	236.880	0.0038
							800	240.050	0.0045
							805	232.880	0.0051
							810	215-440	0.0057
							815	185,810	0.0063
							820	171.460	0.0068
							825	156.060	0.0072
							830	140.740	0.0076
							835	128.920	0.0080
							840	118, 110	0.0083
							845	108-400	0.0086
							850	95.430	0.0089
							855	87.850	0.0091
							900	80.070	0.0093
							905	74,370	0-0095
							920	58.770	6.0100
							935	48.690	0.0104
							950	40.950	0.0108
							1005	35.860	0.0111
							1020	29.750	0.0114
							1035	26.440	0.0116
							1105	20,660	0.0120
							1135	16.310	
							1205	13, 750	0.0125
							1235	11-530	0.0127
							1305	8.260	0.0129
							1405	6.030	0.0131
							1505	4-690	0.0131
							1605	3.840	0.0133

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.000032.



SONORA, TEXAS WATERSHED S-9

LOCATION: Sutton County, Texas; gaging station on Water Street at Sonora city limit; Lowrey Draw, East Fork Devils River, Devils River, Rio Grande Biver Basin.

AREA: 1774.00 acres 2.77 sq. miles

80	HTHL	Y PRECI	ROITATION	AND RUE	HOPF (in	nches))			SOHOR	A, TEXAS	WATERSH	ED S-9			
		Jan	Peb	Har	Apr	t	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec		Annual
1971	P Q	0.0	1.46	0.0	3.28 0.00		0.40	1.69	4.66 0.006	8.25 0.183	2.87 0.003	4.93 0.024	0.47	0.0		28.84 0.225
TA AV	P Q	0.68 0.0	1.32	0.90 0.001	2.48		2.76 0.007	1.83 0.016	1.68 0.001	2.04 0.018	4.03 0.270	2.07 0.004	1.19 0.0	0.7		21.76 0.323
	YHH	Baxi Disch Date	mum arge	T Hou	ır	2 Hc	ours	aximum 6 Ho	Volume f	or Selec 12 Hours	ted Time	Interva	1 2 D		8	Days Vol.
1971	YAH	Haxi Disch	mum arge Rate	1 Hou	ır Vol. I	2 Hc Date 8-15	vol.	aximum 6 Ho Date 8-15	Volume furs	or Selec 12 Hours ate Vol	ted Time 1 . Date	Interva Day Vol.	1 2 D Date	ays Vol.	8 Date	Vol.

NOTES: Watershed conditions: 0.3% caliche roads; 99.7% rangeland. Bangeland fair condition to moderately overgrased Outing a year depending on climatic conditions and stocking rates. For map of watershed, see Mydrologic Precipitation data by Thisesen method using rain ages 1 and 1-a. Precipitation and roadf records becam May 1961; part-year amounts mot included in averages. For long-time precipitation records, see National Weather Service records at Texas Agricultural Experiment Station, Substation No. 14, 18 miles south of Somora, Texas.

1971	D	AILY PRBCI	PITATION	(inches)			so	NOBA, TEX	AS WATERS	HED S-9		
Day	Jan	Feb	Har	уbг	Bay	Jun	Jul	Ang	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.28	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.67	0.0	0.0	0.0	0.38
3	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	1.40	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.03E
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27E	0.0	0.0	0.0	0.15E
6	0.0	0.0	00	0.0	0.05E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.20E	0.0	0.0	0.23E	0.0	0.51	0.15E	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.64	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.23E
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.97	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.94	0.0	0.0	0.0	0.0
12	0_0	0.0	0_0	0.0	0.0	0.74	0.0	0.20E	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.76	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.20	0.0	00	0.0	0.0
16	0.0	0.0	0.0	2.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.07E	0.0	0.0	0.0	0.0	0.0	0.02E	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11E	0.20E	0.0	0.0
19	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.40	1_48	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.26E	0.0	0.0	0.0	0.14E	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.37E	00	0.0	0.28E	0.0	0.32	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.09E	0.0	1.82	0.0	0.0	0.0
24	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0
25	0.0	1.20	0.0	0.0	0.0	0.0	073	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	1.34	0.0	0.0	0.67	0.0	0.0
27	0.0	0.0	0.0	0.0	0.10B	0.0	2.06	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.04	0.0	0.07E	0.44	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.65	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	, 0.0	0.0
31	0_0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.0	1.46	0.0	3.28	0.40	1.69	4.66	8.25	2.87	4.93	0.47	0.80
STA AV	0.68	1.32	0.90	2.48	2.76	1.83	1.68	2.04	4.03	2.07	1.19	0.79

NOTES: For cally all temperature, in the vicinity, see table for Matershed M-14 (70.001). Precipitation values stee thiscess weighted and 1-1. Records begin by 161; part-year amounts not included in averages. STA AV based on 10 yr record period. Extinate codes may indicate that non-cipanificant event totals are included.

197	1	MEAN DAI	LY DISCHAR	GE (cfs)			S	ONORA, TE	XAS WATER	SHED S-9		
Day	Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.283	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.583	0.0	0.0	0.0	0.0
3	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.265	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.272	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.827	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.968	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.592	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.240	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.227	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.045	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.415	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	0.0	0.0	0.0	0.0211	0.0	0.0	0.0134	0_4407	0.0076	0.0588	0.0	0.0
CRES	0.0	0.0	0.0	0.008	0.0	0.0	0.006	0 183	0.003	0.024	0.0	0.0
A VA	0.0	0.0	0.001	0.002	0.007	0.016	0.001	0.018	0.270	0.004	0.0	0.0

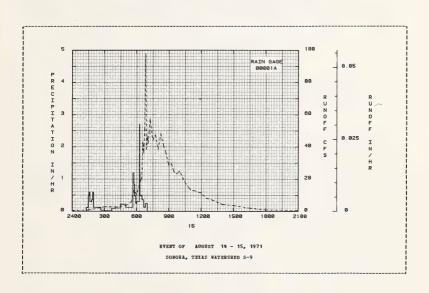
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.013417. Records began May 1961; part-year amounts not included in averages. STA AV based on 10 yr record period.

ANTECEDENT CO				INFALL			RUNOF	F	
Date Rainfa Mo-Day (inche	ll Runoff s) (inches)	fio-Day	of Day	Intensity (in/hr)	(inches)	No-Day	of Day	Rate (cfs)	(inches)
		EVE	NT OF A	GUST 14 -	15, 1971				
RG 00001			RG 000						
8-15 0.7		8-15	120	0.0	0.0	8-14		0.537	0.0
8-14	0.011		130	0.1200		8-15	130	0.716	0.0006
			135	0.4799	0.06		300	2.862	0.0030
			140	0.6000	0.11		400	2.683	0.0045
			150	0.3000	0.16		500	3.578	0.0065
ATERSHED COMDITI	ONS:								
3% caliche roads	: 99.7%		155	0.3600	0.19		530	5.724	0.0081
ngeland. Pangel	and fair		200	0.5998	0.24		545	13.058	0_0099
ndition to moder			220	0.1200	0.28		600	10-554	0-0114
ergrazed during			240	0,1200	0.32		615	15, 920	0.0136
pending on clima	tic		300	0.0300	0.33		630	21.465	0.0166
nditions and sto	cking								
tes.			340	0.0150	0.34		635	43.110	0.0186
			400	0.0900	0.37		640	36.312	0.0203
			430	0-1000	0.42		645	50.980	0.0227
			500	0.2200	0.53		650	97.846	0.0272
			540	0.1200	0.61		655	38, 459	0.0290
			340	081200			000	504 155	
			545	1.1999	0.71		700	46.687	0.0312
			550	0.8401	0.78		705	42.215	0.0331
			555	0.4799	0.82		710	49.370	0.0354
			600	0.2400	0.84		715	57, 599	0.0382
			616	0.3000	0.92		730	44.004	0.0443
			5 10	0.3000	0.72		. 30		0.0443
			618	2.6999	1_01		745	47-403	0.0509
			620	1-2002	1. 05		800	38,459	0.0563
			630	0-4799	1. 13		815	48.118	0.0630
			640	0.3601	1. 19		830	40.963	0.0687
			650	0-1199	1.21		845	35.418	0.0737
			550				_ +5		
			700	0-2401	1-25		900	28.442	0.0777
							915	29.515	0.0818
							930	24-149	0.0852
							945	23.254	0.0884
							1000	25-222	0.0919

NOTES: To convert runoff in CFS to IM/HR, multiply by 0.000559.

71 SEI	LECTED RUNC	FP EVENT				SOHOE	A, TEXAS	WATERSHED	S-9	
	BRT CONDI				RPALL			RUNOF		
Date No-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	AUGUST	14 - 15,	1971 (COH	TINUED)			
							8-15	1030	18-067	0.0970
								1100	13,416	0.1008
								1130	12.521	0.1043
								1200	11.448	0.1075
								1230	8.050	0.1098
								1300	7. 155	0.1118
								1400	4.293	0.1142
								1500	3.578	0.1162
								1630	1.968	0.1179
								1800	0.894	0.1186
								2400	0.537	0.1204

HOTES: To convert runoff in CFS to IM/HE, multiply by 0.000559.



SONORA, TEXAS WATERSHED S-10

LOCATION: Sutton County, Texas; gaging station on flood detention reservoir, 6 mi. BE of Sonora; Lowrey Draw, East Fork Devils River, Devils River, Rio Grande River Basin.

AREA: 5392.00 acres 8.42 sq. miles

	DRIED.	I FALCI	ETIMITON	AND RUN	OLL (TH	rues,			BAURUE	, IDARS	WATERSE	3-10	, 		
		Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	How	Dec	1	nnual
	P	0.0	1.57	0.0	2.81	0.93	2.36	3.86	8.00	2.47	3.66	0.47	0.7	6 2	6. 88
1971	Q	0.0	0.000	0.0	0.00	0.000	0.0	0.035	0.532	0.0	0.0	0.0	0.0		0.568
TA AV	P	0.68	1.32	0.86	2,53	2.79	1.88	1.49	2.07	3.80	1.88	1,31	0.7	6 2	1.38
	Q	0.0	0.000	0.0	0.000	0.025	0.012	0.003	0.053	0.192	0.011	0.0	0.0	05	0.302
			inum	1 Hon	r	2 Hours			r Select				75	8 1	ave
		Date		Date V		ate Vol.			te Vol.		Vol.	Date			Vol.
		8-15	0-174	8-15 0	.133 8-	-15 0.228	8-15 (347 8	-14 0.36	0 8-14	0.404	8-13	0.414	8- 7	0.42
1971		0 13	0-174												
1971		0 15	02 174			MAXIBUMS	FOR PE	RIOD OF	RECORD						
1971		9-23	0.810	9-23 0		#AXI#U#S		1.110 9	2BCORD 23 1.15	0 9-23 1964	1.230	9-23 1964	1.520	9-19	1.93

NOTES: Vatershed conditions: Caliche roads - 0.4%; rangeland - 99.6%. Range condition poor to fair, with moderate representations of the condition of the condi

1971	D	AILY PRECI	PITATION	(inches)			SO	NORA, TEX	AS WATERS	HED S-10		
Day	Jan	Feb	Sar	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.28	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1-62	0.0	0.0	0.0	0.44
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.05	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.01
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15B	0.0	0.0	0.0	0.13
6	0.0	0.0	0_0	0.0	0.10E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.65E	0.0	0.0	0.21E	0.0	0.45	0.13E	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.0	0.0
9	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
10	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.0	0.0
11	0_0	0.0	0.0	0.0	0.09E	0.0	0.0	0.86	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.71	0_0	0.16E	0.0	0.0	0.0	0.0
13	0.0	0.0	00	0.0	0.0	0.55	0.0	0.76	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1. 19	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	00	0.0	0.08E	0.0	0.0	0_0	0.0	0.0	0-06B	0.0	0.0
18	0_0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.11E	0.15E	0.0	0.0
19	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.31	0.76	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.26E	0.0	0.0	0.0	0.49E	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.55E	0.0	0.0	0.30E	0.0	0.34B	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0-33E	0.0	1.56	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18E	0.0	0.0	0.0
25	0.0	1.31	0.0	0.0	0.0	0.0	0.65	0.0	0.00E	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0_0	0.0	0.332	0.01E	0.0	0.60	0.0	0.0
27	0.0	0.0	0.0	0.0	0.07E	0.0	1.73	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.04	0.0	0.05E	0.81E	0.01E	0.0	0.0	0.0	0.0
29	0.0		0.0	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.02B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TAL	0.0	1.57	0.0	2.81	0.93	2,36	3.86	8.00	2.47	3,66	0.47	0.76
y ya	0.68	1-32	0.86	2, 53	2.79	1.88	1.49	2.07	3.80	1.88	1.31	0.76

ports: For daily air temperatures, in the vicinity, see table for watershed W-14, p. 70.001-1. Precipitation values are Thiessen weighted average of rain ages 1.1-14, 2, 4, 5, 6, and 7. Records began by 1961; part-year amounts not included in averages. STA BY based on 10 yr record period. Estimate codes may indicate that mon-significant event totals are included.

19	71	MEAN DAIL	Y DISCHA	RGE (cfs)			:	SONORA, TE	XAS WATER	SHED S-10		
Da y	Jan	Peb	Bar	Apr	May	Jun	Jul	Aug	Sep	0ct	BoA	Dec
1	0.0	0.0	0.0	0.0	0.0	0_0	00	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.890	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.064	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0_0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.830	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.106	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.192	0.0	0.0	00	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.478	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.049	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.045	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	7-895	0.0	0.0	0_0	0_0	0.0
29	0.0		0.0	0.042	0.0	00	00	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	0.0	0.0016	0.0	0.0030	0.0021	0.0	0.2547	3.8869	0.0	0.0	0.0	0.0
NCHES	0.0	0.000	0.0	0.000	0.000	0.0	0.035	0.532	0.0	0.0	0.0	0.0
VA AT	0.0	0.000	0.0	0.000	0.025	0.012	0.003	0.053	0.192	0-011	0.0	0.0

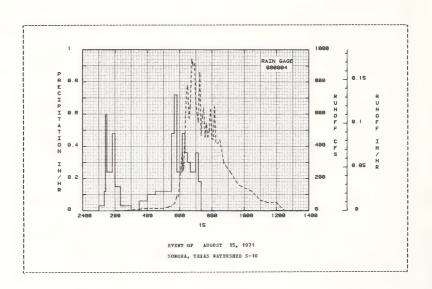
NOTES: To convert mean daily discharge in CFS to IB/DAY, multiply by 0.004414. Becords began May 1961; part-year amounts not included in averages. STA AV based on 10 yr period.

	er combin Rainfall	Runoff	Date	Time	INFALL Intensity			RUNOI		
	(inches)	(inches)	No-Day		(in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			E,	VENT OF	AUGUST 15	, 1971				
	000004			RG 000						
8-15	0.97	0.045	8-15	100	0.0	0.0	8-15	230	0.0	0.0
				120	0.0300	0.01		330	9.786	0.0018
				125	0.1199	0.02		400	14.136	0.0031
				130	0.6000	0.07		430	13.592	0.0043
				140	0.2400	0.11		500	14.136	0.0056
WATERSHED CO										
aliche roads	s - 0-4%;	range-		150	0.2401	0.15		515	21.204	0.0066
and - 99.6%.	Range			200	0.4800	0.23		530	29.359	0.0079
ondition poo	or to fair	. with		220	0.1500	0.28		545	51.651	0.0103
oderate to :	severe ove	er-		300	0.0300	0.30		550	92.428	0.0117
razing durin				330	0.0	0.30		555	87.535	0.0130
ending on cl										
onditions ar	d stockin	a		400	0.0600	0.33		600	160.390	0.0155
ates.				430	0.1000	0.38		605	260.428	0.0194
				500	0-1200	044		610	370-799	0-0250
				530	0.1200	0.50		615	250.099	0.0290
				540	0.4800	0.58		620	455070	0.0359
				340	0.4000	0.50		020	433.070	0.0333
				550	0.7200	0.70		625	741_053	0_0471
				600	0.2401	0.74		630	780, 198	0.0594
				610	0.2400	0.78		635	572.509	0.0680
				620	0.4800	0.86		640	660.586	0.0000
				630	0.4800	0.86		645	943, 852	0.0780
				0.30	03600	0.92		645	243,032	0.0929
				640	0.3000	0.97		650	899_812	0.1065
				650	0.2401	1-01		655	915-035	0.1003
				700	0.2401	1-05		700	673.092	0. 1203
				710	0.2400	1.05		700	602.412	0.1309
				720	0.3600	1. 14		710	548,585	0.1400
				720	0. 1800	1.14		/10	546.585	0.1483
								240		
								715	858.490	0.1619
								720	465.944	0.1689
								725	582.838	0.1777
								730	642.644	0.1879
								735	457.246	0_1948

NOTES: To convert runoff in CPS to IN/HE, multiply by 0.000184.

1 SE	TECTED RUNOR	F EVENT					SOHOE	RA, TEXAS	WATERSHE	D S-10	
AWTECE	DENT CONDIT				RAI	WFALL			RUBO	PP	
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day			Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT	OF	AUGUS	T 15, 197	1 (CONTIN	OBD)			
								8-15	740	543.148	0_2030
									745	455.070	0.2102
									750	496-936	0-2177
									755	631, 227	0.2272
									800	445.827	0.2342
									805	444_196	0.2409
									810	649.712	0.2507
									815	424-625	0.2574
									820	418.643	0.2637
									825	422,992	0.2701
									830	438,217	0.2770
									845	291-962	0-2904
									900	260-972	0.3024
									915	224.545	0.3127
									930	181,050	0.3210
									945	153.322	0.3281
									1030	119.069	0.3445
									1100	63.068	0.3503
									1130		0.3548
									1200	50, 563	0.3594

HOTES: To convert runoff in CFS to IN/HR, multiply by 0.000184.



SONORA, TEXAS WATERSHED S-11

LOCATION: Sutton County, Texas; gaging station on flood detention reservoir, 4 mi. WE of Sonora; Lowrey Draw, East Fork Devils River, Devils River, Rio Grande River Basin.

APEA: 10787.00 acres 16.85 sq. miles

8	ONTHL	Y PRECIP	ITATION	AND RUI	NOFF (i	nches	5)			SONORA	, TEXAS	WATERSH	ED S-1	1		
		Jan	Peb	Har	λpı		Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Annual
	P	0.0	1.61	0.0	2.7		1. 16	2.70	3.96	7.82	1.82	3.31	0.44			26.16
1971	Q	0.0	0.0	0.0	0.0)	0.0	0.0	0.039	0.563	0.0	0.0	0.0	0.1)	0.602
TA AV	P	0.70	1.31	0.83	2.7	0	3.05	1.83	1.77	2.06	3.71	1.80	1.31	0	15	21.82
	Q	0.0	0.0	0.0	0.0	20	0.097	0.009	0.004	0.051	0.135	0.045	0.00	1 0_0	800	0.369
	ANN			HARGE	(in/hr)	AND				OPP (inch				INTER	ALS	
	ANN	Maxi Disch	arge	1 Hot	ır	2 н	lours	axisus 6 Ho	Volume fo	or Select	ed Time	Interval	1 2 D	ays	8	
	ANN	Haxi	arge		ır	2 н		axisus 6 Ho	Volume fo	or Select	ed Time	Interval	1 2 D		8	Days Vol-
1971	ANN	Maxi Disch	mum arge Rate	1 Hot	ır 701.	2 H Date	iours Vol.	axisus 6 Ho Date	Volume fours	or Select	ed Time 1 Date	Interval	l 2 D Date	ays Vol.	8 Date	Vol.
1971	ANN	Haxi Disch Date	mum arge Rate	1 Hou	ır 701.	2 H Date 8-15	Nours Vol.	axisus 6 Ho Date 8-15	Volume fours	or Select 12 Hours ite Vol.	ed Time 1 Date	Interval Day Vol.	l 2 D Date	ays Vol.	8 Date	
1971	ANN	Haxi Disch Date	mum arge Rate 0.346	1 Hot Date V 8-15 (ir 701.	2 H Date 8-15	Tours Vol. 0.308	aximum 6 Ho Date 8-15 POR PE	Volume fours 1 Vol. Da 0.457 8-	or Select 12 Hours ite Vol.	ed Time 1 Date	Interval Day Vol.	l 2 D Date	ays Vol.	8 Date 8- 7	0.484

NOTES: quecrahed conditions: claime reads - 0.4%; rampland - 99.5%; lange condition por to fair; nodestely response to the control of the con

197	1	DAILY PREC	IPITATION	(inches)			Si	ONORA, TEX	AS WATERS	HED S-11		
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	PoA	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1. 12	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.73	0.0	0.0	0.0	0.41
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0
4	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.021
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05E	0.0	0.0	0.0	0.121
6	0.0	0.0	0.0	0.0	0.04	00	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.87	0.0	0.0	0.12B	0.0	0.44	0.14E	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.0
9	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.021
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.97	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.94	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.80	0.0	0.21E	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.75	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.20	0.0	0.0	00	0.0
16	0.0	0.0	0.0	1.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0_0	0.09E	0.0	0.0	0.0	0.0	0.0	0.05E	0.0	0.0
18	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11E	0.15B	0_0	0.0
19	0.0	0.0	0.0	0.11E	0.0	0.0	0.0	0.0	0.30	0.70	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.28	0.0	0.0	0.0	0.13E	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0_0	0.0	00	1.25	0.0	00	0.26	0.0	0.30	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.98	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.17E	0.0	0.0	0.0
25	0.0	1.33	0.0	0.0	0.0	0.0	0.58	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.57	0.0	0.0
27	0.0	0.0	0.0	0.0	0.14E	0.0	1.36	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.05	0.0	0.0	1.29	0_0	0.0	0_0	0.0	0.0
29	0.0		0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0_0		0.0	0.0	0.05E	0.0	0.0	0.0	0.0	00	0.0	0.0
31	0.0		0.0		0.0		0.0	00		0.0		0.0
OTAL	0.0	1, 61	0.0	2.77	1.16	2.70	3.96	7.82	1.82	3.31	0.44	0.57
TA AV	0.70	1.31	0.83	2.70	3.05	1.83	1.77	2.06	3.71	1.80	1.31	0.75

NOTES: For daily air temperatures, in the vicinity, see table for Saterched B-18, p. 70.001-1. Precipitation values are Thiessen weighted average of rain ages 5, 6, 7, 8, 9, 10, and 11. Becords began by 1961; part-year amounts not included in averages. STA AV based on 10 yr record period. Estimate codes may indicate that non-significant event totals are included.

197	71	MEAN DAI	LY DISCHAR	GE (cfs)			S	ONORA, TE	KAS WATER	SHED S-11		
Day	Jan	Feb	Mar	Apr	Вау	Jun	Jul	Aug	Sep	Oct	HOA	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.86	0_0	0.0	0.0	0.0
3	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	00	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	00	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	219.34	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0_0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.58	00	0.0	0.0	0.0	0.0
27	0.0	0_0	0.0	0_0	0.0	0_0	0.67	0.0	0.0	0.0	0.0	0.0
28	0_0	0.0	0.0	0.0	00	0.0	16.31	0.0	0.0	00	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0
30	0.0		0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0
31	0.0		0_0		0.0		0.0	0.0		0.0		0.0
BAN	0.0	0.0	0.0	0.0	0.0	0.0	0.5662		0.0	0.0	0.0	0.0
NCHES		0.0	0.0	0.0	0.0		0.039		0.0	0.0	0_0	0.0
TA AV	0.0	0_0	0.0	0.020	0.097	0.009	0.004	0.051	0.135	0_045	0.001	0.0

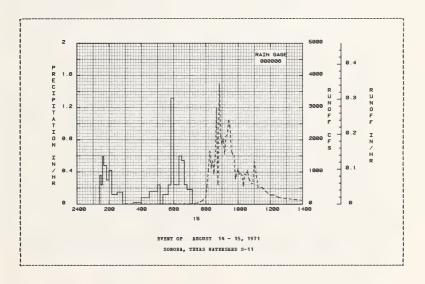
NOTES: To convert mean daily discharge in CPS to IM/DAY, multiply by 0.002207. Records began May 1961; part-year amounts not included in averages. STA AV based on 10 yr record period.

7 1 S	ELECTED RUNO	LL DADMI				20801	A, TEXAS	AGCRETAN	D 3-11	
ANTEC	EDENT CONDI	TIONS		RAI	NPALL			BUNG	PP	
Date	Rainfall	Runoff	Date	Time	Intensity		Date		Rate	Acc.
No-Day	(inches)	(inches)	No-Day	of Day	(in/hr)	(inches)	Mo-Day	of Day	(cfs)	(inches)
			EVE	T OF AU	GUST 14 -	15, 1971				
	RG 000006			RG 0000						
8-15	0.45	0.001	8-15	125	0.0	0.0	8-15	300	10.877	0.0
				130	0.3600	0.03		430	6.526	0.0009
				135	0.2399	0.05		600	9.789	0.0022
				140	0.6000	0_10		700	9.789	0.0031
				150	0.4800	0.18		730	36.981	0.0048
	D CONDITIONS:									
	oads - 0.4%;			200	0.3000	0.23		745	97.892	0.0070
ngeland	- 99.6%. R	ange		210	0.4200	0.30		800	218.626	0.0120
ndition	poor to fair			230	0.1200	0.34		805	626.509	0.0167
deratel	v to severel	7		250	0.1500	0.39		810	1108.354	0.0251
ergraze	d during a ye	ear		330	0.0	0.39		815	1658.726	0.0382
pending	on climatic									
ndition	s and stocking	pd		400	0.0200	0.40		820	1118, 143	0.0466
tes.		-		430	0.0800	0-44		825	1359.611	0.0569
				500	0.1600	0.52		830	937.587	0.0643
				510	0.2401	0.56		835	1478, 169	0.0754
				520	0.0	0.56		840	2991-144	0.0980
				530	0.1200	0.58		845	599.315	0.1027
				540	0-1199	0.60		850	3765,580	0.1311
				550	0.2401	0.64		855	2117.730	0-1471
				600	1-3200	0.86		900	1855-596	0.1618
				610	0-2400	0.90		905	2030.715	0.1771
				620	0.2400	0.94		910	1554.308	0.1888
				630	0.6000	1.04		915	2122.082	0.2056
				640	0.5400	1.13		920	2174.290	0-2220
				650	0-2401	1.17		925	2614.804	0.2417
				710	0.1800	1.23		930	2361.373	0.2604
								935	1664. 164	0.2730
								940	1541.256	0.2846
								945	1523,851	0.2966
								950	784-224	0.3025
								955	935-413	0.3096

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.000092.

ANTECR	DENT CONDI	TIONS		BAI	MPALL				RUHO		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)			Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches
			EVENT OF	ADGUST	14 - 15,	1971	1CON	THUED)			
			10 18444	A00031	14 - 15,	1371	(COB				
								8-15	1000	1098.565	0.3183
									1005	920.185	0.3252
									1010	958.253	0.3324
									1015	888.641	0.3394
									1020	546.020	0.3435
									1025	944.113	0.3506
									1030	904.956	0.3577
									1035	1055-057	0.3657
									1040	785.311	0.3716
									1045	715.698	0.3773
									1050	643.912	0.3822
									1055	624.333	0.3869
									1100	1340.032	0.3975
									1115	501.425	0.4090
									1130	519.915	0.4209
									1145	379.603	0.4296
									1200	277.361	0.4360
									1215	284.974	0.4425
									1230	206-661	0.4472
									1300	176.206	0.4553
									1330	138, 137	0_4617
									1415	117-470	0.4698
									1430	90.278	0.4719
									1500	63,086	0.4748
									1530	44.595	0.4768
									1600	35.894	0.4785
									1630	30.455	0.4799
									1700	51, 121	0.4822
									1730	0.0	0-4822
									1800	0.0	0.4822

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.000092.



SONORA, TEXAS WATERSHED S-12

LOCATION: Sutton County, Texas; gaging station on flood detention reservoir, 2 mi. NE of Sonora; Lowrey Draw, East Fork Devils River, Devils River, Rio Grande River Basin.

AREA: 2801.00 acres 4.38 sq. miles

НС	NTHL	Y PRECIE	ITATION	AND RUN	OFF (inch	es)			SOHORA	, TEXAS	WATERSE	BD S-12		
		Jan	Peb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	Bov	Dec	Annual
	Р	0.0	1,58	0.0	2.25	0.85	1.49	4. 15	7.84	1.51	4.14	0.53	0.69	25.02
1971	Q	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.526	0.0	0.0	0.0	0.0	0.526
TA AV	P	0.67	1.29	0.79	2.76	2.97	1.42	1.94	2.09	3.50	2.10	130	0.72	21-54
	Q	0.0	0.0	0.0	0.058	0.190	0.001	0.012	0.053	0.162	0.083	0.0	0.026	0.585
		Maxi Disch	arge	1 Hou		Hours e Vol.	6 Hc	ours	or Select 12 Hours Date Vol.	1	Interva Day Vol.	l 2 Da Date		8 Days te Vol.
		Date	nate		or. pat	e +01°	Date	VOI. 1	ate tor-	Date	101"		*01. Da	re
1971		8-15	0.069	8-15 0	.041 8-1	5 0.053	8-16	0.082 8	3-15 0.14	9 8-15	0.216	8-14	0.310 8-	8 0,381
					,3	HAXINUMS	FOR PE	BIOD OF	RECORD					
		9-23 1964	1. 200	9-23 0 1964	.790 9-2 196		9~23 1964		9-23 1.09	0 9-23 1964	1.090	9-23	1.150 9-	19 1.62

NOTES: Natorshed conditions: Paved roads - 0.2% of the area; rangeland - 99.8%. Bange conditions poor to fair, with noderate to severe overgrazing during a year depending on climatic conditions and stocking rates. For map of vatershed see Hydrologic Data for Experimental Agricultural Natersheds in the United Start, 1967, USDA Misc. Pub. 1262, p. 70.5-7. Thiessen weighted rainfall using rain gages 9, 10, 11, 12, and 13. Precipitation and runoff records began Ham 1961 part-year asonuts not included in averages. For long-time precipitation records, see Rational Seather Service records at the Teras Agricultural Experiment Station, Substation No. 14, approximately 18 miles south of Source, Tetas.

1971		DAILY PREC	PITATION	(inches)			so	NORA, TEX	AS WATERS	HED S-12		
Day	Jan	Peb	Sar	Apr	Say	Jun	Jul	λug	Sep	0ct	Noa	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.41	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.61	0.0	0.0	0.0	0.31E
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.31	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	9.0	0_0	0.16	0.0	0.0	0.0	0.05E
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.00E	0.0	0.02E	0.0	0.10E
6	0.0	0.0	0.0	0.0	0.16	0_0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.05E	0.0	0.38	0.12E	0_0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.23E
10	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.89	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.173	0.06	0.0	0.81	0.0	0.0	9.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.73	0.0	0.26E	0.0	0.0	0.0	0.0
13	0.0	0_0	0.0	0.0	0.0	0.27	0.0	0.28E	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36E	0.0	0-04E	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.99	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14E	0.16E	0.0	0.0
19	0.0	0.0	0.0	0.09E	0.0	0.0	0.0	00	0.36E	0.83	0.0	0.0
20	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.29	0.0	0.0	0.0	0.29E	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0_0	0.0	0.0	0.07E	0.0	0.0	0.03B	0.0	0.41	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.25E	0.0	0.70	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.30E	0.0	0.288	0.0	0.0	0.0
25	0.0	1.29	0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.58E	0.0	0.0	0.69	0.0	0.0
27	0.0	0.0	0.0	0.0	0.01E	0.0	1.30	0.0	0.0	0.03E	0.0	0.0
28	0.0	0.0	0.0	0.00	0.0	0.06E	0.95	0.02E	0.0	0.0	0.0	0_0
29	0.0		0_0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.00E	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.00E	00		0.0		0.0
TOTAL	0.0	1,58	0.0	2.25	0.85	1.49	4.15	7.84	1.51	4.14	0.53	0.69
STA AV	0.67	1.29	0.79	2.76	2.97	1.42	1.94	2.09	3.50	2.10	1.30	0.72

NOTES: For daily air temperature, in the vicinity, see table for Watershed W-14, p. 70.001-1. Precipitation values are Thiessen weighted average of rain gages 8, 10, 11, 12, and 13. Records began May 1961, part-year amounts not included in averages. STA AV based on 10 yr record period. Estimate codes may indicate that non-significant event totals are included.

197	1	BEAN DAIL	T DISCHA	RGE (cfs)				SONORA, TE	XAS WATER	SHED S-12		
Day	Jan	Feb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0_0	0.0	0.0	16,140	0.0	0.0	0.0	0.0
3	0.0.	0.0	0.0	0.0	0.0	0.0	0.0	0.891	0_0	0.0	0.0	0.0
5	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0_0	0_0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.530	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.292	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.058	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	00	0_0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 31	0.0		0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
31												
EAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9971	0.0	0.0	0.0	0.0
NCHES TA AV	0.0	0.0	0.0	0.0	0.0 0.190	0.0	0.0		0.0 0.162	0.0	0.0	0.0

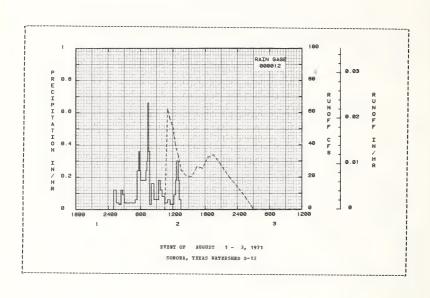
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.008498. Records began May 1961; part-year amounts not included in averages. STA AV based on 10 yr record period.

ANTECEDENT	CONDIC				NFALL			RUNOF	P	
	infall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
Ho-Day (i	nches)	(inches)	Mo-Day	of Day	(in/hr)	(inches)	No-Day	of Day	(cfs)	(inches)
			EVE	NT OF AU	GUST 1 -	3, 1971				
RG 0	00012			RG 0000	112					
8- 2	0.02	0.0	8- 2	100	0.0	00	8- 2	1030	0.0	0.0
				130	0. 1200	0.06		1100	62,418	0.0055
				200	0.0400	0.08		1130	55.357	0.0159
				220	0.0300	0.09		1200	50-838	0.0253
				240	0.1200	0.13		1230	39,258	0.0333
WATERSHED CON	DITIONS:				1200	10				
Paved roads -				300	0.0900	0.16		1300	33,610	0-0397
area, rangelan				400	0.0400	0.20		1330	24-572	0.0449
Range conditio				500	0.0400	0.24		1430	20.618	0.0529
fair, with mod				520	0.0600	0.26		1530	20.335	0.0602
overgrazing du		rear		540	0.2400	0.34		1630	26.549	0.0685
depending on c										
conditions and	stockin	ıg		550	0.3600	0.40		1730	25.419	0.0777
rates.				600	0.2400	0-44		1830	32-197	0.0879
				610	0 1800	0.47		1930	33,892	0.0996
				630	0.1800	0.53		2100	27.114	0.1158
				700	0.1800	0.62		2230	19.770	0.1282
				710	0.2400	0.66		2400	13.839	0.1371
				720	0.3000	0.71	8- 3	130	7-343	0.1427
				730	0.6600	0.82		300	0.0	0.1446
				740	0.3600	0.88		430	0.0	0.1446
				800	0.0300	0.89		600	0.0	0.1446
				830	0. 1600	0.97		730	0.0	0.1446
				900	0.0600	1.00		900	0.0	0.1446
				920	0.0600	1.02		1030	0.0	0.1446
				940	0.1800	1.08		1200	0.0	0.1446
				1000	0.1200	1. 12		1500	0.0	0.1446
				1030	0.0800	1.16		1800	0.0	0.1446
				1100	0.0400	1.18		2100	0.0	0.1446
				1130	0.0600	1.21		2400	0.0	0.1446
				1210	0.0300	1.23				
				1230	0.0900	1. 26				

NOTES: To convert runoff in CFS to IN/BE, multiply by 0.000354.

971 SELECTED RUHOFF EVENT				SONO	RA, TEXAS	WATERSHED	S-12	
ANTECEDENT CONDITIONS Date Rainfall Runof:	Date	RA: Time	INPALL Intensity	Acc.	Date	RUBOR		
Ho-Day (inches) (inches		of Day	(in/hr)	(inches)	No-Day	of Day	Rate (cfs)	Acc. (inches)
	EVENT OF	AUGUST	1 - 3,	1971 (CO	TINUED)			
	8- 2	1240	0.1800	1 29				
		1250 1300	0.3000 0.3000	1.34				
		1310 1330	0-1800 0-0600	1.42				

NOTES: To convert runoff in CPS to IB/BR, multiply by 0.000354.



SONORA, TEXAS WATERSHED S-13

LOCATION: Sutton County, Texas; gaging station on flood detention reservoir, 0.5 mi. SE of Sonora; Lowrey Draw, East Fork Devils River, Devils River, Rio Grande River Basin.

AREA: 686.00 acres 1.07 sq. miles

HO	NTHLY	PRECIE	ITATION	AND RUB	OFF (i	inches	5)			SONOR	A, TEXAS	WATERSH	ED S-1	3		
		Jan	Peb	Sar	λpı	С	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec	;	Annual
	p	0.0	1.59	0.0	2.0		0.60	1.75	5.23	7.45	0.92	3.57	0.57			24.31
1971	Q	0.0	0.004	0.0	0.0	005	0.001	0.001	0.733	0.536	0.0	0.0	0.0	0.0)	1_280
VA AT	p	0.72	1.37	0.80	2.7		2.74	1.44	1.76	1.86	3.18	2.05	1.32	0.7	2	20.68
	0	0.0	0.000	0.001	0_0	073	0.075	0.000	0_074	0.054	0.096	0.064	0.0	0.0	107	0.445
		AL MAXI	MUM DISC	HARGE (in/hr)	AND	HUMIXAN	AOLINE	S OF RUN	OFF (inc	es) FOR	SELECTE	D TIME	INTER	ALS	
		AL MAXI	aun	HARGE (:		AND 2 H		aximus	Volume f	OFF (inc	ted Time	Interva	1			Davs
		 Maxi	arge		r	2 н		aximus	Volume f	or Selec	ted Time	Interva	1	ays	a	Days Vol.
1971		Maxi Disch	mum arge Rate	1 Hou:	r ol.	2 H Date	ours Vol.	aximus 6 Ho Date	Volume f urs Vol. D	or Selection 12 Hours	ted Time 1 Date	Interva Day Vol.	1 2 D Date	ays Vol.	8 Date	Vol.
1971		Maxi Disch Date	mum arge Rate	1 Hou:	r ol.	2 H Date 7-28	ours Vol.	aximus 6 Ho Date 7-28	Volume f urs Vol. D	or Selection 12 Hours ate Vol.	ted Time 1 Date	Interva Day Vol.	1 2 D Date	ays Vol.	8 Date	Vol.

NOTES: Entershed conditions: Preci condo - 1.5% of the area; rasgoland - 98.5% Range in poor to nail condition, whereinly exercized entire year large-pending on clinatic conditions and according atos. For more than 100 per pending on clinatic conditions and according atos. For more than 100 pending or Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1957, USDA Misc. Pub. 1262, p. 70.6-7. Precipitation data by Thiesesen method using rain ages 12 and 13. Precipitation and runth records may 1961; part-year amounts not included in averages. For long-time precipitation records, see National Weather Service records at the Terms Agricultural Experiment Station, Substation No. 14, 16 at alles south of Sonora, Texas.

1971	D	AILY PREC	IPITATION	(inches)			So	NORA, TEX	AS WATERS	SHED S-13		
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	155	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.65	0.0	0.0	0.0	0.25E
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	1.06	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.02E
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17E	0.0	0.03E	0.0	0.10E
6	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0_0	0.47	0.0	0.0	0.05E	0.0	0.43	0.07E	0.0
8	0.0	0.0	0.0	0.0	0.0	0_0	0_0	0.0	0.0	0.67	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23E
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.03E	0.08	0.0	0.68	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.69	0.0	0.25E	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0-00E	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.03E	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.85	0.0	00	0.0	0.0
16	0.0	0.0	0.0	1.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.05E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20E	0.03E	0.0	0.0
19	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.0	0.28E	0.72	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.32	0.0	0.0	0.0	0.82E	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.048	0.0	0.0	3.05E	0.0	0.50	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.17E	0_0	0.31	0.0	0.0	0_0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.08E	0.0	0.0	0.0
25	0.0	1.27	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0_0	0.0	0_0
26	0.0	0.0	0.0	0_0	0.0	0.0	1.37	0.0	0.0	0.60	0.0	0.0
27	0.0	0.0	0_0	0.0	0.0	0.0	1.08	0.0	0.0	0.00E	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	1.19	0.0	0.0	0.0	0_0	0.0
29	0.0		0_0	0.72	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0
30 31	0.0		0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.0	1.59	0.0	2.03	0.60	1.75	5,23	7.45	0.92	3.57	0.57	0.60
STA AV	0.72	1.37	0.80	2.73	2.74	1.44	1.76	1.86	3.18	2.05	1.32	0.72

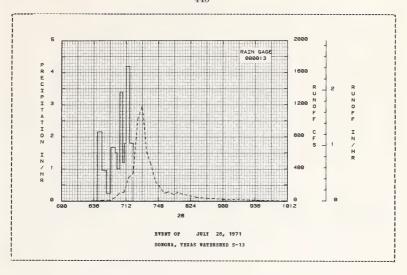
ROTES: For daily air temperatures, in the vicinity, one table for m-10 p. 70.001-1. Procipitation values are Thiessen weighted average of rain gages 12 and 13. Becords began asy 1961; patt-year asounts not included in averages. STA AV based on 10 yr record period. Estitimate codes may indicate that non-significant event totals are included.

197	/1	BEAR DAIL		SE (cfs)			Si	ONORA, IE	IAS WATER:	SHED S-13		
Day	Jan	Peb	Bar	Apr	May	Jun	Jul	Aug	Sep	0ct	HOW	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.952	0.0	0.0	0.0	0.0
2	0.0		0.0	0.0	0.0	00		10.496	0.0	0.0	0.0	0.0
3	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0-022	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	00	0.0	0.0	0_0	00	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	00	00	0.0	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.071	0_0	0.0	0 - 0	0.0	0.0	0.0	0.0	0.0
17	0_0	0.0	0.0	0_0	0.0	0, 0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0038	0.0	0.0	0.0	0_0	0.0	00
22	0.0	0.0	0.0	0.0	0.0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.147	0.0	0.0	0.0	0.0	0.0
25	0.0	0.119	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0_0	0.0	00	1.621	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	00	00	0.0	0.0	0.662	0_0	0.0	0.0	0.0	0.0
28	0.0	0.0		0-071	0.0		18-687	0.0	0.0	0.0	0.0	0.0
29	0.0			0.004	0.0		0-0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0_0		0.0	0.0		0.0		0.0
		0_0042		0_0049	0.0007		0.6812		0.0	0.0	0.0	0.0
	0_0	0.008	0.0		0.001		0-733	0.536	0.0	0.0	0.0	0.0
A AV	0.0	0.004	0.001		0.075				0.096	0.064		0.0

HOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.034696. Records began in May 1961; part-year amounts not included in averages. STA AV based on 10 yr record period.

1 SELECTED RUNOFF	EVENT				SONOR	A, TEXAS	WATERSHE	D S-13	
ANTECEDENT COMDITIO				BPALL			RUNO		
	(inches)		of Day	Intensity (in/hr)	(inches)	No-Day	of Day		Acc. (inches)
		E'	VEST OF	JULY 28	, 1971				
RG 000013			RG 0000	13					
7-28 0-0	0_0	7-28	640	0.0	0.0	7-28	600	0.0	0.0
			645	2.1600	0.18		630	0.208	0.0002
			650	0.9600	0.26		645	9.684	0.0037
			655	0.2400	0.28		655	10.929	0.0063
			700	1.6800	0.42		700	44.616	0.0118
ATTERSHED CONDITTIONS:									
ved roads - 1.5% of th	ne.		702	1.5000	0.47		705	101.890	0.0239
ea, rangeland - 98.5%.			705	1,,0000	0.52		710	111.366	0.0371
nge in poor to fair			708	3.4000	0.69		715	295.431	0.0738
ndition, severely over	-		710	1.2000	0.73		720	344-750	0.1147
azed during a vear			712	1.8000	0.79		725	1020.212	0-2357
pending on climatic				100000	0013		120	10200212	
nditions and stocking			716	4 2000	1.07		7.30	1187.676	0.3833
tes.			720	18000	1.19		735	610.370	0.4557
			12,0	18 0000			740	445.326	0.5085
							745	241-962	0.5386
							755	97.809	0.5622
								3,4003	000000
							800	116,485	0.5767
							805	81.386	0-5863
							810	109-845	0.5993
							815	85, 634	0.6099
							830	47.313	0.6270
							330	41.0313	0.0270
							845	31,542	0.6384
							900	21. 236	0.6461
							930	11-967	0-6548
							1000	3.735	0.6575
							1030	2.629	0.6594

NOTES: To convert runoff in CPS to IN/BB, multiply by 0.001446.



SONORA, TEXAS WATERSHED W-1

LOCATION: Edwards County, Texas: 28 mi. (highway) south of Sonora; East Fork Devils River, Devils River, Bio Grande River Basin.

AREA: 10.20 acres

HO	NTRLY	PRECIP	ITATION	AND RUNG	OFF (inch	es)			SONORA	TEXAS	WATERSHI	BD W-1		
		Jan	Feb	Mar	Apr	May	Jun	Jul	∆ug	Sep	Oct	Bov	Dec	Annual
1971	P Q	0.0	0.83	0.08	2.04	1.05 0.0	4-47 0-0	4.20 0.013	9.29 2.835	2.13 0.0	5.00 0.341	0.09 0.0	0.97 0.0	30.15 3.189
VA AT	P Q	1.03 0.085	1.52 0.004	0.73 0.0	2.64 0.196	2.65 0.120	2.38 0.057	2.36 0.014	3.10 0.384	3.65 0.197	2.40 0.168	1.11	0.62 0.0	24.20 1.225
	ABBC	AL MAXI	NUM DISC	HARGE (i	in/hr) AW	BURIXAR O	AOTGWE	S OF RUNC	PP (inche	s) POR	SELECTE	D TIME I	NTERVALS	
		Disch		1 Hous	- 2			Volume fo					s	A Days
		Maxi Discha Date	arge	1 Hous		Hours e Vol.	aximum 6 Ho Date	urs 1	or Selecte 12 Hours ite Vol.	1	Interval Day Vol.	l 2 Day Date V		8 Days te Vol.
1971		Discha	arge Bate	Date Vo	ol. Dat	Hours e Vol.	6 Ho Date	urs 1 Vol. Da	2 Hours te Vol.	1 Date	Day Vol.	2 Day Date V	ol. Da	
1971		Disch Date	arge Bate	Date Vo	ol. Dat	Hours e Vol. 2 0.438	6 Ho Date 8-12	urs 1 Vol. Da	12 Hours te Vol.	1 Date	Day Vol.	2 Day Date V	ol. Da	te Vol.

NOTES: Wetershed conditions: 107 respendent; not plowed for brush control, Aspute 1707; fair level of annagement; and the control of the cont

1971	D	AILY PRECI	PITATION	(inches)			so	NORA, TEX	AS WATERS	HBD W−1		
Day	Jan	Feb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.40	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.86	0.0	0.0	0.0	0.52
3	0.0	0.0	0.08E	0.0	0.0	0.0	0.0	0.0	0.0	1.53	0.0	0.0
1, 1,	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17E	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14E
7	0_0	0.0	0.0	0.0	0.49	0.0	0.0	0.14E	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.11E	0.0	0.0	1.38	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.42	0.0	1, 68	0.0	0_0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.70	0.0	0.28	0.0	0_0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	1. 13	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.81	0.0	0.37	0.0	0_0	0.0	0.0	0_0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19B	0.29	0.0	0.0
19	0.0	0.0	0.0	0.23E	0.10E	0.0	0.0	0.0	0.27	2.00	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
21	0.0	0.18E	0.0	0.0	0.0	1.40	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0_0	0.0	0.0	0.0	0.14E	0.0	0.0	0.08E	0.0	0.09E	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.24	0.0	0.0	0.0
24	0.0	0.0	0.0	0_0	0.35	0.0	0.052	0.0	0.0	0.0	0.0	0.0
25	0.0	0.65	0.0	0.0	0.0	0.0	2-46	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.10E	1.05	0.0	0.0	0.62	0.0	0_0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.24	0.64	0.0	0_0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0_0	0.35	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.0	0.83	0.08	2.04	1.05	4.47	4.20	9-29	2.13	5.00	0.09	0.97
STA AV	1.03	1.52	0.73	2. 64	2.65	2.38	2.36	310	3.65	2-40	1.11	0.62

NOTES: For daily air temperatures, in the vicinity, see table for 9-14, p. 70.001-1. Precipitation data obtained from rain gage 15. Records began October 1963; part-year amounts not included in averages. STA MY based on 8 yr record period. Estimate codes may indicate that mon-significant event totals are included.

197	1	MEAN DAIL	Y DISCHAI	RGE (cfs)			S	ONORA, TE	AS WATER	SHED W-1		
Day	-Jan	7eb	Sar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.016	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.438	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.033	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
5	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	00	0_0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.391	0.0	0.0	0.0	0.0
13	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.068	0.0	0.0	0.0	0.0
14	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.240	0.0	. 0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.111	0_0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.036	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0002	0.0392	0.0	0.0047	0.0	0.0
HCHES	0.0 0.085	0.0	0.0	0.0	0.0	0.0	0.013	2.835	0.0	0.341	0.0	0.0

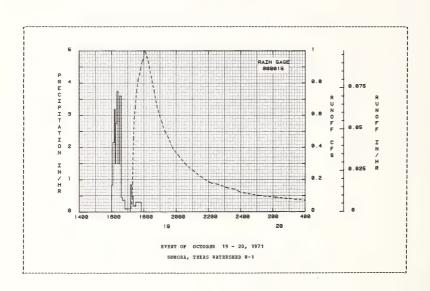
NOTES: To convert mean daily discharge im CFS to IM/DAY, multiply by 2.233495. Records began October 1963; partyear amounts not included in averages. STA AV based on 8 yr record period.

1 SELECTED RUNOR	I DAPPI					a, ibaas	WATERSHED		
ARTECEDENT CONDIS				NPALL			RUNOF		
Date Rainfall	Runoff	Date	Time	Intensity		Date	Time	Rate	Acc.
Ho-Day (inches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	no-Day		(cfs)	(inches)
		204.20	NT OF OCT	00000 40 -	20. 1971				
		4.0			20, 1971				
RG 000015	0.0	10-19	RG 0000	0_0	0.0	10-19	1708		0_0
10-19 0.19	0.0	10-19	1605		0.0	10-19	1708	0.0	
				0.8400				0.006	0.0
			1610	2.1602	0.25		1712	0.023	0.0
			1613	3. 1999	0.41		1714	0.048	0.0001
			1615	1.4993	0.46		1716	0.084	0.0003
ATERSHED CONDITIONS:									
0% rangeland; fair 1			1620	2.7603	0.69		1718	0.192	0.0007
management; stocking	ıg		1624	3.7501	0.94		1719	0.280	0.0011
te, 30-35 animal uni	.ts		1630	1.4998	1.09		1720	0.368	0.0016
r section.			1636	3.6003	1.45		1722	0.474	0.0029
			1640	0.4500	1.48		1724	0.579	0.0047
			1650	0.3600	1,54		1728	0.653	0.0087
			1710	0.0900	1.57		1733	0.751	0.0143
			1715	0.8400	1.64		1738	0.818	0.0209
			1720	0.4799	1.68		1743	0.850	0.0276
			1730	0.1800	1.71		1748	0.892	0.0345
			1750	03000	1.81		1753	0.930	0.0421
							1758	0.951	0.0496
							1803	0.995	0-0574
							1808	0.982	0.0657
							1818	0.917	0.0808
							1828	0.834	0.0951
							1838	0.747	0. 1080
							1848	0.664	0.1193
							1858	0.600	0-1296
							1908	0.545	0.1389
							1918	0.505	0.1473
							1928	0.467	0.1552
							1948	0.393	0.1691
							2008	0.347	0.1812
							2038	0.288	0.1966

HOTES: To convert mean daily discharge in CFS to IN/HE, multiply by 0.097229.

971	SEI	ECTED RUBO	PF EVENT				SONO	RA, TEXAS	WATERSHEI	B-1	
		DEBT CONDI				NFALL			RUBOR	P	
	Date No-Day	Rainfall (inches)	Runoff (inches)		Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				BVENT OF	OCTOBER	19 - 20,	1971 (CC	NTINUED)			
								10-19	2108	0.248	0.2096
									2138	0.207	0.2207
									2208	0.184	0.2302
									2238	0.165	0.2387
									2308	0.152	0.2464
									2338	0.140	0, 2535
									2400	0.124	0.2582
								10-20	108	0.100	0.2705
									208	0.087	0.2796
									408	0.068	0-2947
									608	0.057	0.3069
									808	0.051	0.3174
									1008	0.038	0.3261
									1208	0.029	0.3326
									1408	0.023	0.3377
									1438	0.011	0.3385
									1638	0.005	0.3401
									1838	0.002	0.3408
									2300	0.0	0.3412

HOTES: To convert mean daily discharge in CPS to IM/HR, multiply by 0.097229.



SONOBA, TEXAS WATERSHED W-2

LOCATION: Edwards County, Texas; 28 mi. (highway) south of Sonora; East Fork Devils Eiver, Devils Eiver, Rio Grande Eiver Basin.

AREA: 8.60 acres

HO	NTHLY	PRECIP	ITATION	AND RUE	OPF (in	ches)			SONORA	, TEXAS	WATERSH	BD ₩-2			
		Jan	Peb	Bar	λpr	Нау	Jun	Jul	Aug	Sep	Oct	How	Dec		Annual
	p	0.0	0.74	0.06	1.85			3.87	9.05	1.94	4.78	0.11			28.47
1971	Q	0.0	0.0	0.0	0.0	0.0	0.01	0.0	4.562	0.0	0.0	0.0	0.0		4.575
STA AV	P	0.66	1.37	0.67	2.55	2.5	2.33	2.12	3.08	2.83	2.36	1.15	0.5	8	22.21
	Q	0.0	0.002	0.0	0.30	9 0.1	6 0.05	0.0	0.682	0.0	0.183	0.00	2 0.0		1.374
	ANNU	AL MAXI	MUM DISC	HARGE ((in/hr)	AND MAX	MUM VOLU	ES OF RUI	NOPP (inch	es) POR	SELECTE	D TIME	INTERV	ALS	
	ANNU	Maxis	aus arge	1 Hot	ar	2 Bour	Maximu:	volume i	for Select	ed Time	Interva Day	1 2 Da	ays	8	Days
	ANNU	Maxis	aus arge		ar		Maximu:	volume i	for Select	ed Time	Interva	1	ays	8	Days Vol.
1971	ANNU	Maxis	aus arge Rate	1 Hou	ir fol. D	2 Hour	Maximu 6 Date	volume i	for Select	ed Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Date	¥01.
1971	ANNU	Maxis Discha Date	aus arge Rate	1 Hou	ir fol. D	2 Hour late Vo	Maximus 6 1 Date	volume i	for Select 12 Hours Date Vol.	ed Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Date	Vol.

NOTES: Watershed conditions: 100% rangeland; low good level of management; stocking rate, 32 animal units per section. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1957, USDA Hisc. Pub. 1262, p. 70.8-6. Precipitation data from rain gage 16. Precipitation and rancoff records began January 1965. For long-time precipitation records, see National Weather Service records at the Texas Agricultural Experiment Station, substation Months of the Watershed is on substation property.

1971	D	AILY PRECI	ROITATION	(inches)			sc	NORA, TEN	AS WATERS	HED W-2		
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.36	0.0	0.0	00	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.88	0.0	0.0	0.0	0.48
3	0.0	0.0	0.06E	00	0_0	0.0	0.0	0.0	0.0	1.48	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17E	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13E
7	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.14E	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.37	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	1.28	0.0	00	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.34	0.0	168	0.0	0.0	0.0	00
13	0.0	0.0	0.0	0.0	0.0	0.67	0.0	0.25	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	00	0.0
15	0.0	0.0	0.0	0.0	0.0	0.15E	0.0	1.04	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.68	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16E	0.19B	0.0	0.0
19	0.0	0.0	0.0	0.17E	0.04E	0.0	0.0	0.0	0.25E	1.96	0.0	00
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.15B	0.0	0.0	0.0	1.31	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	0.11E	0.0	0.113	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.11	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.28	0.0	0.0 E	0.0	0.0	0.0	0.0	0.0
25	0.0	0.59	0.0	0.0	0.0	0.0	2.50	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.09E	0.80	0.0	0.0	0.61	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1. 10	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.25B	0.57	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.0	0.74	0.06	1.85	0.85	4.33	3.87	9-05	1.94	4.78	0.11	0.89
STA AV	0.66	1.37	0.67	2.55	2.50	2.33	2-12	3.08	2.83	2+36	1.15	0.58

BOTES: For daily air temperatures, in the vicinity, see table for M-14, p. 70.001-1. Precipitation data obtained from rain gage 16. Records began January 1965. STA AV based on 7 yr record period. Estimate codes may indicate that non-significant event totals are included.

197	1	MEAN DAIL	Y DISCHAI	RGE (cfs)			5	SONORA, TE	IAS WATE	RSHED W-2		
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Hov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.056	0.0	0_0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.530	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.032	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.581	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.050	0.0	0.0	0_0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.036	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.343	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
27	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	0.0	0.0	0.0	0.0	0.0	0.0002	0.0	0.0532	0.0	0.0	0.0	0.0
CHES	0.0	0.0	0.0	0.0	0.0	0.014	0.0	4.562	0.0	0.0	0.0	0.0
TA AV	0.0	0_002	0.0	0.309	0.146	0.052	00	0.682	0.0	0.183	0.002	0.0

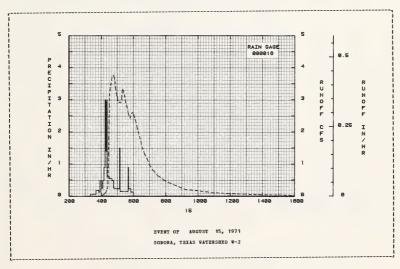
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 2.767634. Records began January 1965. STA AV based on 7 yr record period.

SE	LECTED RUNO	LL DADBI				30802	MA, IDAMO	WATERSHED		
ANTECE	DENT CONDI	TIONS		BA	INFALL			RUBOR	P	
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			P	VENT OF	AUGUST 15	. 1971				
	RG 000016			RG 000		,				
8-15	0.0	0.006	8-15	320	0.0	0.0	8-15	400	0.015	0.0
0-15	0.0	0.000	0-15	340	0-0600		0-15	404	0-031	0.0002
				350	0-1800			408	0.047	0.0005
				355	0.1199	0.06		412	0.072	0.0010
				400	0.4801			414	0.090	0.0013
TERSHER	COMDITIONS			400	02.4001	*****		***	00000	00000
	land: low q			405	0.2399	0.12		416	0.116	0.0017
	anagement;			410	0-4801			418	0-145	0.0022
cking r	ate, 32 ani:	al		412	0.9000	0.19		420	0.179	0.0029
ts per	section.			414	0.9000	0.22		422	0.232	0.0036
				417	2,9999	0.37		424	0.401	0.0049
				420	1-4001			425	0.579	0.0058
				\$22	2.9998	0.54		426	0.947	0.0072
				426		0.58		427	1.313	0.0097
				430	0.5999	0.62		428	1.804	0.0125
				440	0.5401	0.71		429	2.313	0.0162
				445	0.4799	0.75		430	2.901	0.0221
				500	0.2400	0.81		432	3.312	0.0333
				508	0.2250	0.84		440	3.723	0.0872
				510	1.5001	0.89		445	3.768	0.1243
				540	0.1400	0.96		450	3,642	0.1593
				542	0.9000	0.99		454	3.295	0.1859
				550	0-2250			458	3.128	0.2105
				600	0.1199	1.04		500	3.103	0.2231
								502	2-973	0.2340
								506	2.917	0.2566
								514	2.933	0.3014
								516	3.070	0.3136
								518	3,270	0.3250
								520	3.329	0.3384
								522	3.295	0.3503
								526	3.152	0.3750
								530	2.981	0.3999
								535	2.806	0.4273
								540	2-614	0.4529
								544	2.494	0.4725

NOTES: To convert runoff in CPS to IN/BE, multiply by 0.115318.

SEI	ECTED RUNG	54587								
AUTRORI	BHT CONDI	TIONS		RAIS	FALL			RUNOF		Acc.
Date Mo-Day	Rainfall	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			77777	OF AUGUST	15. 197	1 (CONTI	NOED)			
			RARBIL (JF AUGUSI	15, 15,	(00212				
							8-15	547		0.4869
								550	2.502	0.5013
								554	2.591	0.5208
								558	2-614	0.5407
								604	2.450	0.5704
								610	2-278	0.5970
								615	2.078	0.6186
								620	1.932	0.6376
								625	1.779	0.6552
								630	1.610	0.6720
								635	1.461	0.6865
								640	1.338	0.6997
								645	1.254	0.7125
								650	1. 172	0.7240
								655	1.080	0.7347
								700	0.973	0.7449
								710	0.834	0.7620
								720	0.732	0.7772
								730	0.632	0.7904
								740	0.576	0.8018
								750	0.515	08124
								800	0.457	0.8218
								820	0.384	0.8379
								840	0.317	0.8513
								900	0.236	0.8620
								920	0.194	0.8702
								940	0.177	0.8773
								1000	0.158	0.8838
								1030	0.134	0.8922
								1100	0.099	0.8989
								1200	0.075	0.9089
								1300	0.061	0.9167
								1400	0-044	0.9228
								1600	0.023	0.9305
								1800	0.016	0.9350
								2400	0_013	0.9450

HOTES: To convert runoff in CFS to IE/HR, multiply by 0.115318.



SONORA. TEXAS WATERSHED W-3

LOCATION: Edwards County, Texas; 28 mi. (highway) south of Sonora; East Fork Devils River, Devils River, Bio Grande River Basin.

AREA: 6.70 acres

	80	NTHLY	PRECIP	TATION	AND RUNG	P (inche	s)			SONORA	, TEXAS	WATERSH	BD 8-3		
			Jan	Feb	Mar	Apr	Нау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
197	1	P Q	0.0	0.73 0.0	0.02	2.53 0.0	0.90 0.0	5.21 0.011	4.42 0.017	9.87 2.089	2.37 0.0	4.67 0.004	0.11	0.98 0.0	31.81 2.122
STA	AV	P Q	0.64	1.40 G.0	0.70 0.0	2-85 0-181	2.73 0.009	2.48 0.002	2.11 0.002	3.57 0.298	2.76 0.0	2.58 0.011	1.16	0.61 0.0	23.60 0.503
		ANNU			CHARGE (i	n/hr) AND		AOTOUE	S OF RUNC	PF (inch	es) FOR	SELECTE	D TIME	INTERVAL	;
									volume fo	r coloat	od Timo	Intormo			
			Maxi Disch Date	irge	1 Hour Date Vo		Hours Vol.			r Select 2 Hours te Vol.	1	Interva Day Vol.		ys Vol. Da	8 Days
197	1		Disch	rge Rate		L. Date 531 8-12	Hours Vol. 0.698	6 Ho Date 8-12	urs 1 Vol. Da	2 Hours te Vol.	Date	Day Vol.	2 Da Date	Vol. D	
197	1	on on the stee	Disch Date	rge Rate	Date Vo	L. Date 531 8-12	Hours Vol. 0.698	6 Ho Date 8-12	urs 1 Vol. Da	2 Hours te Vol.	Date	Day Vol.	2 Da Date	Vol. D	te Vol.

1906 1906 1966 1971

NOTES: Watershed conditions: 100% rangeland; range in fair condition. For map of watershed, see Bydrologic Bata for Experimental Agricultural Watersheds in the United States, 1967, 1958 M size. Pub. 1262, p. 70.9-4. Precipitation data from rain gage 17. Precipitation and runoff records began January 1965. For long-time precipitation records, see Mational Weather Service records at the Texas Agricultural Experiment Station, Substation No. 14, 18 miles south of Somora, Texas.

1971	D	AILY PRECI	PITATION	(inches)			SO	NORA, TEX	AS WATERS	HED W-3		
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.49	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.29	0.0	0.0	0.0	0.57
3	0.0	0.0	0.02E	0.0	0.0	0.0	0.0	0.0	0.0	1.22	0.0	0.0
4	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.19E	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.13
7	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.50	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28
10	0.0	0.0	0.0	0.0	0.0	0.0	0.08E	0.10	0.0	0.0	0.0	0_0
11	0.0	0.0	0.0	0.0	0.08E	0.0	0.0	1.44	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0_0	0.0	1.58	0.0	1. 87	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.49	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11E	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0_0	0.25B	0.0	0.97	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.40	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10E	0.18E	0.0	0.0
19	0.0	0.0	0.0	0.13E	0.22E	0.0	0.0	0.0	0.15E	2.08	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
21	0.0	0.18E	0.0	0.0	0.0	2.23	0.0	00	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.05E	0.0	0.11E	0.0
23	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	1.78	0.0	0.0	0.0
24	0_0	0.0	0.0	0.0	0.28	0.0	0.07E	0.0	0.0	0_0	0.0	0.0
25	0.0	0.55	0.0	0.0	0.0	0.0	2.14	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0_0	1.04	0.0	0.0	0.57	0.0	0.0
27	0.0	00	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.26	1.09	00	0.0	0_0	00	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TAL	0.0	0.73	0.02	2.53	0.90	5.21	4-42	9.87	2.37	4-67	0.11	0.98
A AV	0-64	1.40	0.70	2,85	2.73	2.48	2.11	3.57	2.76	2.58	1. 16	0.61

NOTES: For daily air temperatures, in the vicinity, see table for Watershed W-14, 70.001-1. Precipitation data obtained from rain gage 17. Becords began January 1965. STA NV based on 7 yr record period. Estimate codes may indicate that non-significant event totals are included.

197	71	HEAN DAI	LY DISCHA	RGE (cfs)			S	ONORA, TE	KAS WATE	RSHED W-3		
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul	∆ug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.164	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
ц	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0 - C	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.028	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.263	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.041	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	00	0.0	0.0	0.0	0-001	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.091	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0003	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0_0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
30	0.0		Ð_ 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AH	0.0	0.0	0.0	0.0	0.0	0.0001	0.0002	0.0190	0.0	0.0	0.0	0.0
CHES	0.0	0.0	0.0	0.0	0.0	0.011	0.017	2.089	0.0	0.004	0.0	0.0

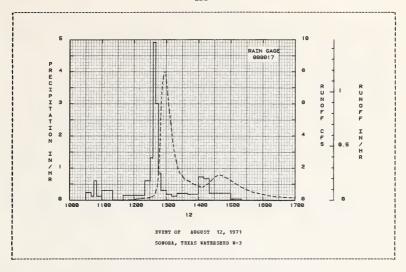
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 3.552486. Becords began January 1965. STA AV based on 7 yr record period.

71 S	ELECTED RUNO	PP EVENT				SONOE	A, TEXAS	WATERSHED	R-3	
	EDENT CONDI				INFALL			RUNOP		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			В	VENT OF	AUGUST 12	, 1971				
	RG 000017			RG 000	017					
8-12	0.0	0.004	8-12	1030	0.0	0.0	8-12	1120	0.0	0.0
				1040	0.2400	0.04		1130	0.002	0.0
				1045	0.1199	0.05		1140	0.009	0.0001
				1050	0.6000	0.10		1150	0.022	0.0005
				1100	0-1200	0.12		1158	0.032	0.0010
WATERSHE	D CONDITIONS:									
00% rang	eland: range	in		1110	0.3000	0.17		1200	0.042	0.0012
air cond				1120	0.3000	0-22		1204	0.061	0.0017
				1140	0.0	0.22		1206	0.079	0.0020
				1200	0.1500	0.27		1210	0.093	0.0028
				1220	0.1500	0.32		1212	0.108	0.0033
				1230	0.6000	0.42		1220	0.127	0.0056
				1235	1.3200	0.53		1226	0.136	0.0075
				1240	4.9201	0.94		1230	0.161	0.0090
				1245	3.0000	1.19		1232	0.203	0.0098
				1250	0.8399	1.26		1234	0.228	0.0109
				1300	0.3000	1.31		1236	0.259	0.0120
				1310	0.1800	1.34		1238	0.314	0.0135
				1320	0_1200	1.36		1240	0.452	0.0153
				1340	0.2100	1.43		1242	0.690	0.0183
				1400	0.1800	1.49		1244	1.030	0.0223
				1410	0.7201	1.61		1245	1.394	0.0258
				1420	0.6600	1.72		1246	1.830	0.0295
				1440	0.2100	1.79		1247	2.539	0.0346
				1500	0.2100	1.86		1248	3.253	0.0413
				1520	0.0300	1.87		1249	4.527	0.0525
								1250	5.837	0.0645
								1252	7,090	0.0944
								1254	7_661	0.1328
								1256	7.997	0.1690
								1258	7.983	0.2106

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.148020.

	ECTED RUNG					SONOE	BA, TEXAS	WATERSHED	N-3	
Date	Rainfall	TIONS Runoff (inches)	Date	Time :	(intensity	Acc.	Date	Time	Rate	Acc.
	(110163)	(Inches)	no-pay		(10/11)	(Inches)	no-bay	or Day	(CIS)	(luches
			EVENT O	P AUGUST	12. 1971	(CONTIN	(URD)			
						,				
							8-12	1300 1302	7.400	0.2506
								1302		0.2831
								1304		0.3423
								1308		0.3423
								1310 1312	4.282	0.3898
								1314	3.607	0.4103
								1316	2 010	0.4259
								1318	2.494	0.4414
								1320	2.264	0.4661
								1322	1.932	0.4758
								1324	1.754	0.4854
								1326	1.932 1.754 1.663 1.519	0.4933
								1330		
								1334	1.298	0.5237 0.5419 0.5568 0.5697 0.5815
								1340	1.215	0.5419
								1345	1.121	0.5568
								1345	0.999	0.5697
								1355	0.943	0.5815
								1400	0.879	0.5931
								1400 1404 1408	0.810	0.6014
								1408	0.806	0.6093
								1412 1416	0.883	0.6176
								1416	0.968	0.6267
								1420	1.052 1.215 1.353	0.6366
								1424	1.215	0.6477
								1428	1.353	0.6603
								1432		
								1436	1.529	0.6890
								1440	1.551	0.7041
								1445	1.508	0.7236
								1450	1.404	
								1455	1.328	0.7579
								1500	1.211	0.7740
								1510	0.996	0.8007
								1510	0.786	0.8227
								1530	0.700	0.8227
								1540	0-496	0-8543
								1550	0.417	0.8543 0.8656
								4.000	0.045	0.8751 0.8826 0.8889 0.8988
								1600	0.345	0.8751
								1610 1620	0.273	0.8826
								1620	0.232	0.8889
								1700	0.132	0.9063
								1720	0.090	0.9118
								1740	0.063	0.9156
								1800 1830	0.049	0.9184
								1830	0.038	0.9216
								2000	0.011	0.9266
									0.003	

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.148020.



SONORA, TEXAS WATERSHED W-4

LOCATION: Edwards County, Texas; 28 mi. (highway) south of Somora; East Fork Devils River, Devils River, Eio Grande River Basin.

AREA: 4.50 acres

BC	NTELY	PRECIP	ITATION	AND RU	NOPF (inches	5)			s	ONORA,	TEXAS	WATERSE	ED W-4			
		Jan	Feb	Mar	Ap	r.	Hay	Jun	Jul	λu	ig :	Sep	Oct	Nov	Dec	A	nnual
1971	P Q	0.0	0.61	0.04 0.0	2. 0.		1.02 0.0	5.23 0.0	3.69 0.0			2.38	4.84 0.0	0.08	0.9 0.0		0.53 0.325
STA AV	P Q	0.66	1.25 0.0	0.82 0.0		31 040	2.01 0.0	2.62 0.0	2.50 0.0			0.18 0.0	2.84 0.012	1.26 0.0	0.5		5-07 0-106
	ANNU			CHARGE	(in/hr	AND	MAXIMUM								INTERV	ALS	
		Disch Date	arge	1 Bo Date			iours Vol.	6 H	Volume vurs Vol.	12 R	electe ours Vol.	1	Interva Day Vol.		ays Vol.	8 D Date	ays Vol.
1971		8-12	0.199	8-12	0.092	8-12	0.127	8-12	0.171	8-12	0.171	8-12	0.176	8-12	0.240	8-8	0.241
							AXIMUMS	FOR P	ERIOD O	P RECO	ED						
		4-30 1966	0.320	4-30 1966	0.200	4-30 1966	0.240	4-30 1966	0.250	4-30 1966	0.250	4-30 1966	0.250	4-30 1966	0.250	4-30 1966	0.250

NOTES: Watershed conditions: Eangeland - 100% range in low good condition. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Hisc. Pub. 1262, p. 70.10-4. Precipitation data from rain gage 18. Precipitation and runoff records began January 1966. For long-time precipitation records, see Wational Weather Service records at Texas Agricultural Experiment Station, Substation No. 14, 18 miles south of Sonota, Petws.

1971	D	AILY PRECI	PITATION	(inches)			so	HORA, TEX	AS WATERS	HED W-4		
Day	Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	Oct	No₹	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.57	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.45	0.0	0.0	0.0	0.54
3	0.0	0.0	0_04E	0.0	0.0	0.0	0.0	0.0	0.0	1.57	0.0	0.0
4	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18E	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0
6	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.15E
7	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.51	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0
11	0_0	0.0	0_0	0.0	0. 11E	0.08	0.0	1.41	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.42	0.0	1.77	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.39	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.02B	0.29	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.92	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.97	0.0	0.20E	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11E	0.16B	0.0	0.0
19	0.0	0.0	0.0	0-08E	0.13B	0.0	0.0	0.0	0.20B	1.86	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0-16E	0.0	0.0	0.0	2.22	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03E	0.0	0.08E	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.73	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.38		0.10E	0.0	0.0	0.0	0.0	0.0
25	0.0	0.45	0.0	0.0	0.0	0.0	2.14	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.0	0.0	0.72	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19E	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.24E	0.54	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0_0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.0	0.61	0.04	2.05	1.02	5, 23	3.69	9.62	2.38	4.84	0.08	0.97
STA AV	0.66	1.25	0.82	3.31	2.01	2.62	2.50	4.08	3.18	2.84	1.26	0.55

NOTES: For daily air temperatures, in the vicinity, see table for Watershed W-TW, p. 70.001-1. Precipitation data obtained from rain gage 18. Records began January 1966. STA AV based on 6 yr record period. Estimate codes may indicate that non-significant event totals are included.

19	71	MEAN DAI	LY DISCHA	RGE (cfs)				SONORA, TE	XAS WATER	RSHED W-4		
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	NoA	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.016	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.032	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.012	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	00.	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0020	0.0	0.0	0.0	0.0
NCHES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.325	0.0	0.0	0.0	0.0
TA AV	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.054		0.012	0.0	0.0

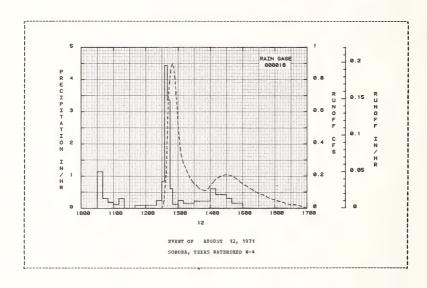
NOTES: To convert mean daily discharge in CFS to IM/DAY, aultiply by 5.289256. Records began January 1966. STA AV based on 6 yr record period.

971 SELECTED RUNOF	PEVENT				SONOE	A, TEXAS	WATERSHED	8-4	
ASTECEDENT CONDIT	IONS Runoff	Date	RA	INPALL Intensity	Acc.	D-4-	RUNOF Time	F Eate	Acc.
Date Rainfall Mo-Day (inches)	(inches)			(in/br)	(inches)	Date Mo-Day		(cfs)	(inches)
		E	VENT OF	AUGUST 12	, 1971				
RG 000018			RG 000						
8-12 0-0	0.0	8-12	1030	0.0	0.0	8-12	1230	0_0	0_0
0.12 020	0.0	0-12	1040	1. 1400	0.19	0.12	1232	0.013	0.0
			1050	0-2999	0.24		1234	0.049	0.0002
			1100	0.1800	0.27		1236	0.134	0.0008
			1110	0.1200	0.27		1238	0-218	0.0022
WATERSHED CONDITIONS:			.110	0. 1200	0.27		1230	0.210	220020
100% rangeland: range:	n		1120	0_3000	0.34		1240	0.447	0.0045
low good condition.			1140	0.0	0.34		1242	0-676	0.0045
or good condition.			1200	0.0900	0.37		1244	0.780	0.0009
			1220	0.0900	0.40		1246	0.750	0.0202
			1230	0.2401	0.44		1248	0.890	0.0262
			1230	04 240 1	0.44		1240	02030	0.0202
			1235	0.8399	0.51		1250	0-903	0.0331
			1240	4.4400	0.88		1252	0.870	0.0392
			1245	3.3600	1.16		1254	0.797	0-0457
			1250	0.6000	1.21		1256	0.719	0.0509
			1300	0-1200	1.23		1258	0.632	0.0561
			1300	0. 1200	1.23		1230	0.032	0.0301
			1310	0.2400	1.27		1300	0-520	0.0606
			1330	0.1500	1.32		1302	0-445	0.0639
			1400	0. 2200	1.43		1302	0.374	0.0671
			1410	0-6000	1.53		1304	0.374	0.0695
			1420	0_4200	1.53		1308	0.332	0.0695
			1420	0.4200	1.00		1300	0.304	0.0720
			1430	0.4200	1.67		1310	0.282	0.0740
			1440	0.4200	1.72		1314	0.282	0.0740
			1500	0.1500	1.77		1318	0.219	0.0779
			1300	0. 1500	1.77		1322	0.193	0.0843
							1322	0.172	0.0843
							1320	0.172	0.0070
							1330	0.153	0.0895
							1330	0.133	0.0895
							1335	0.139	0.0921
							1348	0_107	0.0979
							1352	0.111	0.0995

NOTES: To convert runoff in CFS to IN/HB, multiply by 0.220386.

1 SELE	CTED RUSOR			SONORA, TEXAS WATERSHED W-4									
	er CONDIT				INPALL	RUNOPP							
	Rainfall			Time	Intensity	Acc.	Date		Rate	Acc.			
Bo-Day	(inches)	(inches)	Bo-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches			
			EASHJ C	P AUGU:	ST 12, 197	1 (COSTI	(UBD)						
							8-12	1356	0.122	0.1012			
							0	1400	0.138	0.1032			
								1405	0.157	0.1059			
								1410	0. 175	0.1089			
								1415	0.187	0.1123			
								1420	0.198	01158			
								1430	0.213	0. 1234			
								1440	0-197	0-1308			
								1450	0. 175	0. 1377			
								1500	0.152	0.1438			
								1510	0.126	01488			
								1520	0.106	0.1531			
								1530	0.089	0.1567			
								1540	0-077	0. 1597			
								1550	0.061	0.1623			
								1600	0.054	0.1644			
								1610	0.042	0, 1661			
								1620	0.032	0.1675			
								1630	0-022	0. 1685			
								1640	0.017	0.1692			
								1650	0.010	0.1697			
								1700	0.004	0. 1700			
								1800	0-002	0-1707			
								1900	0.0	0-1709			
								2400	0.0	0-1709			

HOTES: To convert runoff in CFS to IM/HR, multiply by 0.220386.



SONORA, TEXAS WATERSHED W-5

LOCATION: Edwards County, Texas; 28 mi. (highway) south of Sonora; East Fork Devils River, Devils River, Rio Grande River Basis.

AREA: 7.20 acres

HC	NTHLY	PRECIP	ITATION	AND RUNC	FF (inche	s)			SONOR A.	TEXAS	WATERSH	ED W-5		
		Jan	Peb	Har	Apr	Нау	Jun	Jul	Aug	Sep	0ct	Nov	Dec	Annual
	P	0.0	0.62	0.04	1.91	1.04	5.69	3.27	9.24	2. 35	4.57	0.06	0.82	29.61
1971	Q	0.0	0.0	0.0	0.003	0.0	0.318	0.003	2-567	0.003	0.177	0.0	0.0	3.071
STA AV	P	0.62	1.11	0.78	3.14	1.91	2.62	2.22	3.97	2.73	2.68	1.12	0.50	23.38
	Q	0.0	0.0	0.0	0.195	0.011	0.123	0.004	0.448	0.001	0.134	0.0	0.0	0.916
											SELECTE			
		Maxi	arge	1 Hour		Hours	6 Bo		2 Hours	1	Interva Day	1 2 Da	ys.	8 Days
			arge	1 Hour Date Vo				urs 1		1	Interva	 1	ys.	
1971		Disch	arge Bate	Date Vo		Hours Vol.	6 Ro Date	urs 1 Vol. Da	2 Hours te Vol.	Date	Interva Day Vol.	l 2 Da Date	ys Vol. I	8 Days
1971		Disch	arge Bate	Date Vo	1. Date 526 8-12	Wol. 0.709	6 Ro Date 8-12	urs 1 Vol. Da	2 Hours te Vol. 2 1.023	Date	Interva Day Vol.	l 2 Da Date	ys Vol. I	8 Days Date Vol.

NOTES: Vatershed conditions: Rangeland - 100%; range overgrazed, low poor condition. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, p. 70.11-5. Precipitation data from rain gage 19. Precipitation and runoff records began January 1966. For longtime precipitation records, see National Weather Service records at Teras Agricultural Experiment Station, Substation No. 14, 18 miles south of Sonora, Feras.

197	1 D	AILY PRECI	PITATION	(inches)			sc	NORA, TER	AS WATERS	HED W-5		
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.48	0.0	0.0	0.0	0.0
2	0.0	0.0	0_0	0_0	0.0	0_0	0.0	2.29	0.0	0.0	0.0	0.41
3	0.0	0.0	0.04E	0.0	0.0	0.0	0.0	0.0	0.0	1.45	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0 0.0	0.0	0.0	0.0	0.0	0.14E	0.0	0_0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14E
7	0.0	0.0	0.0	0_0	0.38	0.0	0.0	0.43	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0
9	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.10E	0.0	0.0	1.32	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.58	0.0	1.70	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.68	0.0	0.31	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.10E	0.138	0.0	0_0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.38	0.0	1.05	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.85	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0. C	0.0
18	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.11B	0.20E	0.0	0.0
19	0.0	0.0	0.0	0.06E	0.188	0.0	0.0	0.0	0.18E	1.77	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.18E	0.0	0.0	0.0	2.50	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05E	0.0	0.06E	0.0
23	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.76	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.38	0.0	0.05B	0.0	0.0	0.0	0.0	0.0
25	0.0	0.44	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.68	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.26	0.48	0.0	0.0	0.0	0.0	0.0
29	0.0		0-0	0_0	0-0	0.0	0.0	0-0	0.25E	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.0	0.62	0.04	1.91	1.04	5.69	3.27	9.24	2.35	4.57	0.06	0.82
STA AV	0.62	1.11	0.78	3.14	1. 91	2.62	2.22	3.97	2.73	2.68	1.12	0.50

NOTES: For daily air temperatures, in the vicinity, see table for Watershed W-14, p. 70.001-1. Precipitation data obtained from rain gage 19. Records began January 1966. STA AV based on 6 yr record period. Estimate codes may indicate that non-significant event totals are included.

197	1	BEAN DAI	LY DISCHAI	RGE (cfs)			Si	DHORA, TE	KAS WATER:	SHED W-5		
Da y	Jan	Feb	Har	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	00	0.0	0.0	0.0	0.0	0.014	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.314	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	00
5	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0
5	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.023	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.288	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.023	0.0	0.0	0.0	0.0
14	0.0	0.0	0_0	0.0	0.0	0., 0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.115	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.053	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.096	0.0	0.0	0.0	0_0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.001	0.0	0.0	0.0
24	0_0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0, 0	0-0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0
31	0.0		0.0		0.0		0_0	0_0		0.0		0.0
EAN	0.0	0.0	0_0	0_0	0.0	0.0032	0_0	0.0250	0.0	0_0017	0.0	0.0
NCHES	0.0	0.0	0.0	0.003	0.0	0.318	0.003	2.567	0.003	0.177	0.0	0.0
TA AV	0.0	0.0	0.0	0. 195	0.011	0.123	0-004	0.448	0001	0-134	0.0	0.0

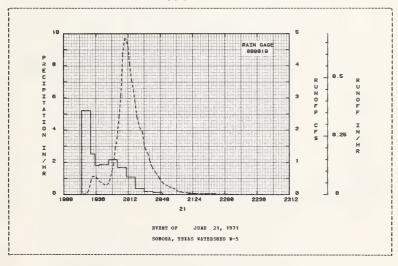
NOTES: To convert mean daily discharge im CPS to IM/DAY, multiply by 3.305785. Records began January 1966. STA AV based on 6 yr record period.

ANTECEDENT COR				NFALL		RUBOFF				
Date Rainfal		Date	Time	Intensity	Acc.	Date	Time	Eate	Acc.	
Mo-Day (inches	(inches)	Ho-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)	
		E,	VENT OF	JUNE 21	, 1971					
BG 000015			RG 0000							
6-21 0-0	0_0	6-21	1920	0.0	0.0	6-21	1922	0.009	0.0	
0 21 040	0.0	0 4.1	1930	5.2198	0.87	0 21	1924	0.030	0-0001	
			1935	2.5202	1.08		1926	0.053	0.0003	
			1940	1.8001	1.23		1928	0. 155	0.0008	
			1950	1.8599	1.54		1930	0.388	0.0021	
ATERSHED CONDITIO	wc.		1950	1.8599	1.54		1930	0.300	0.0021	
O% tande overdras			2000	2. 1599	1.90		1932	0.558	0.0041	
um range overgraz w poor condition.			2010	1.6801	2, 18		1934	0.558	0.0068	
a boot condition.			2010	1.0800	2.18		1934	0.543	0.0092	
				03600	2-42		1938	0.478	0.0092	
			2030				1938			
			2040	0.1800	2.45		1940	0.400	0.0136	
			2050	0.1200	2-47		1942	0.365	0.0155	
			2120	0-0	2.47		1944	0.332	0.0170	
			2150	0.0600	2,50		1946	0-304	0.0185	
			2150	0.0000	2450		1948	0.300	0.0198	
							1950	0.346	0.0214	
							1350	00010		
							1952	0.487	0.0232	
							1954	0.738	0-0262	
							1956	1.003	0.0299	
							1958	1.499	0.0360	
							2000	1.834	0.0441	
							2002	2.424	0.0533	
							2004	3.083	0.0666	
							2006	4,338	0.0826	
							2008	4.848	0.1048	
							2010	4.816	0.1256	
							2010	4.010	04 .250	
							2012	4.566	0.1483	
							2014	3.983	0.1667	
			*				2016	3.545	0.1849	
							2018	3-247	0.1995	
							2020	2.826	0.2142	

HOTES: To convert runoff in CFS to IN/HR, multiply by 0.1377410.

SEL	ECTED RUNO							WATERSHED		
	FHT COMDI	PIONS		RA	INPALL			RUNOF	P	
Date Bo-Day		Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Ho-Day	of Day	Rate (cfs)	Acc. (inches)
			EVENT (ne 30	NE 21, 197	1 (CONTT)				
			PAPRT A	J	85 21, 151	· (coniii	a o E D j			
							6-21	2022		0.2255
								2024	2.181	0.2366
								2026	2-019	0.2456
								2028	1.937	0.2552
								2030	1.533	0.2636
								2032	1.380	0.2699
								2034		0.2763
								2036	1.066	0.2813
								2038	0.900	0.2861
								2040	0.785	0.2897
								2042	0.706	0.2933
								2044		0.2962
								2046	0.548	0.2990
								2048	0.447	0.3011
								2050	0.376	0.3031
								2052	0.332	0.3046
								2054	0.297	0, 3061
								2056	0.266	0.3073
								2058	0.236	0.3085
								2100	0.216	0.3096
								2102	0.197	0.3105
								2104	0.165	0.3114
								2106	0.127	0.3120
								2108	0.098	0.3125
								2110	0.081	0.3129
								2114	0.062	0.3136
								2118	0.052	0.3141
								2122	0.039	0.3145
								2126	0.031	0.3148
								2130	0.021	0.3151
								2140	0.017	0.3155
								2150		0.3158
								2200		0.3161
								2210	0.005	0.3163
								2230	0.002	0.3165
								2300	0.0	0.3166

NOTES: To convert runoff in CFS to IN/HE, multiply by 0.1377410.



SONORA, TEXAS WATERSHED W-6

LOCATION: Edwards County, Texas; 28 mi. (highway) south of Sonora; East Fork Devils River, Devils River, Rio Grande River Basin.

ARBA: 6.90 acres

HC	FTHL	PRECIP	ITATION	AND RUNOI	P (inche	s)			SONORA	, TEXAS	WATERSH:	ED W-6		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.0	0.68	0.07	2.13 0.0	1.02 0.0	4.97 0.028	4.34 0.027	9.92 1.106	2.20 0.0	4.60 0.0	0.09 0.0	0.98 0.0	31.00 1.160
TA AV	P Q	0.68	1.21 0.0	0.89	3.31 0.153	2.00 0.007	2.52 0.018	2.44 0.005	4 - 15 0 - 191	3.03 0.0	2.78 0.009	1.36	0.52 0.0	24.88 0.383
	ABBC	AL MAXI	BUH DISC	HARGE (in	/hr) AND	HAXINUS	VOLUMES	OP RUN	OFF (inch	es) POR	SELECTE	D TIBE	INTERVAL	S
		Maxi		4					or Select					
		Maxi Disch Date	arge	1 Hour Date Vol		Hours Vol.	aximum V 6 Hot Date V	ırs	or Select 12 Hours ate Vol.	1	Interva Day Vol.	1 2 Pa Date		8 Days ate Vol.
1971	100.000 Tall Tall 100	Disch	arge Rate	Date Vol	. Date	Hours	6 Hot Date 1	ors Vol. D	12 Hours	Date	Day Vol.	2 Par Date	Vol. D	
1971		Disch Date 1	arge Rate	Date Vol	356 8-12	Wol.	6 Hot Date 1	701. D	12 Hours ate Vol. -12 0.62	Date	Day Vol.	2 Par Date	Vol. D	ate Vol.

NOTES: Watershed conditions: Rangeland - 100%; range condition - poor. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1622, p. 70.12-0. Precipitation data from rain gage 20. Precipitation and ranoff records began January 1966. For long-time precipitation greends, see Wational Weather Service Weather Sureau records at the Texas Agricultural Experiment Station, Substation No. 14, 18 miles south of Sonora, Texas.

1971	Đ	AILY PRECI	PITATION	(inches)			SO	HORA, TER	AS WATERS	HED W-6		
Day	Jan	Feb	Har	Apr	≅ay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.57	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,45	0.0	0.0	0.0	0.54
3	0.0	0.0	0.07E	0.0	0.0	0.0	0.0	0.0	0.0	1.39	0.0	0.0
4	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-20E	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.15
7	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.48	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.0
9	0.0	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.29
10	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
11	0_0	0.0	0.0	0.0	0.11E	0.0	0.0	1.46	0_0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.54	0.0	1.91	0.0	0.0	0.0	0.0
13	0.0	0_0	0_0	0.0	0.0	0.60	0.0	0,39	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.06E	0.20E	0.0	0.0	0.0	0.0
15	0-0	0.0	0.0	0.0	0.0	0.20E	0.0	1.01	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.06	0.0	0.17E	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.10E	0.16E	0.0	0.0
19	0.0	0.0	0.0	0.07B	0.24E	0.0	0.0	0.0	0.19E	1.91	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.21E	0.0	0.0	0.0	2.12	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.03E	0.0	0.09E	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.58	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.35	0.0	0.05E	0.0	0.0	00	0.0	0.0
25	0.0	0-47	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	3.45	0.0	0.0	0.58	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0_0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.28	0.78	0.0	0_0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
30	6.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		00		0.0
TAL	0.0	0.68	0.07	2,13	1.02	4.97	4.34	9.92	2.20	4.60	0.09	0.98
'A AV	0.68	1.21	0.89	3.31	2.00	2.52	2-44	4.15	3.03	2.78	1.36	0.52

NOTES: For daily air temperature, in the vicinity, see table for Watershed W-14, p. 70.001-1. Precipitation data obtained from rain gage 20. Necords began January 1966. STA BY based on 6 yr record period. Estimate codes may indicate that non-significant event totals are included.

197	71	MEAR DAIL	LY DISCHA	RGE (cfs)			S	OHORA, TE	XAS WATE	SHED W-6		
Day	Jan	Peb	Sar	Apr	Fay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.092	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0_0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.182	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.040	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0_0	0 . C	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
26	0.0	0_0	0.0	0_0	0.0	0_0	0.0	00	0_0	0.0	0_0	0.0
27	0_0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0-007	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0_0	0.0	0.0	0.0	0.0	0-0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0_0		0.0		0.0		0.0	0.0		0.0		0.0
BEAN	0.0	0.0	0.0	0.0	0.0	0_0003	0.0003	0.0103	0.0	0.0	0.0	0.0
		0.0	0.0	0.0		0.028		1.106	0.0	0.0	0.0	0.0
STA AV	0.0	0.0	0.0	0.153	0.007		0.005	0. 191	0.0	0.009	0.0	0.0

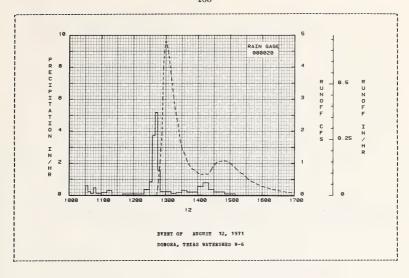
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 3.449515. Records began January 1966. STA AV based on 6 yr record period.

71 SELECTED BUNOF	F EVENT				SONOE	A, TEXAS	WATERSHED	¥-6	
ANTECEDENT CONDIT	IONS		BB	INPALL			RUBOF		
Mo-Day (inches)	(inches)	No-Day	of Day	Intensity (in/hr)	(inches)	Ho-Day	of Day	Rate (cfs)	Acc. (inches)
		E	VENT OF	AUGUST 12	, 1971				
RG 000020			RG 000	020					
8-12 0.0	0.0	8-12	1030	0.0	0.0	8-12		0.0	0.0
			1035	0.6000			1237	0.0	0.0
			1040	0.2401	0.07		1241	0.004	0.0
			1045	0.1199	0.08		1242	0.010	0.0
			1050	0.4799	0.12		1243	0.039	0.0001
WATERSHED CONDITIONS:									
00% rangeland: range	in		1100	0.1200	0.14		1244	0.094	0.0002
oor condition.			1110	0.1800	0.17		1245	0.184	0.0006
			1120	0.3000	0.22		1246	0.295	0.0011
			1140	0.0	0.22		1247	0.506	0.0020
			1200	0.0900	0.25		1248	0.782	0.0034
			1220	0.0900	0.28		1249	0.913	0.0058
			1230	0.3600	0.34		1250	1_131	0.0081
			1235	0.8401	0.41		1251	1.401	0.0109
			1240	3.7200	0.72		1252	1-628	0.0143
			1245	5, 1599	1, 15		1253	1,994	0.0194
			1250	1.5601	1.28		1254	3.011	0.0250
			1300	0.2401	1.32		1255	3.983	0.0329
			1310	0.2400	1.36		1257	4.471	0.0543
			1320	0.1200	1.38		1259	4-807	0-0751
			1330	0.1800	1.41		1301	4.783	0.0993
			1340	0.3000	1.46		1303	4.606	0.1204
			1400	0-2100	1.53		1305	4.416	0.1432
			1410	0.5400	1.62		1307	4.117	0.1624
			1420	0.7800	1.75		1309	3.829	0.1825
			1430	0.3600	1.81		1311	3.573	0.1991
			1450	0.2100	1.88		1313	3, 293	0.2164
			1510	0.0900	1.91		1315	2.999	0.2323
							1317	2.741	0.2452
							1319	2.553	0.2586
							1321	2.371	0.2697

NOTES: To convert runoff in CPS to IN/HR, multiply by 0.143730.

	CTED RUNOP							WATERSHED		
ANTECEDE	NT CONDIT	IONS		BAIN	PALL			RUNOP	P	
Date	Fainfall	Runoff (inches)	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
BO-Day	(Inches)	(Inches)	HO-Day	OI Day	(TH/UE)	(inches)	по-рау	or Day	(CIS)	(inches)
			nu num o	n	40 407	4 4000000				
			RAEMI O	r August	12, 197	1 (CONTIN	(ORD)			
							8-12	1323	2.197	0.2812
								1327		0.2998
								1331	1.417	0.3147
								1335	1. 297	0.3277 0.3392
								1339	1.109	0.3392
								1343	0.966	0.3491
								1346	0_900	0.3559
								1350	0.808	0.3641
								1354	0_777	0.3641 0.3717
								1358	0.733	0.3789
								1402	0 671	0.3856
								1402		0.3856
								1420	0.650	0.4140
								1424		0.4140
								1428		0.4286
								1420	0.003	0.4200
								1432	0.956	0.4374
								1436		0.4469
								1440	1.059	0.4569
								1450	1.070	0.4826
								1455	1.056	0.4951
								1500	0.997	0.5078
								1505	0.932	0.5192
								1510	0.932	0.5152
								1515	0.769	0.5307
								1520	0.695	0.5078 0.5192 0.5297 0.5397 0.5483
								4505		
								1525 1530	0.653	0.5562 0.5637
								1535 1540		0.5698 0.5752
								1545		0.5803
								1550		0.5847
								1555		0.5886
		t						1600		0-5922
								1605	0.251	0.5953
								1610	0.237	0.5981
								1615	0.201	0.6008
								1620	0.183	0.6031
								1625	0.162	0.6051
								1630	0.142	0.6051 0.6070 0.6086
								1635	0.126	0.6086
								1640	0-116	0.6100
								1645	0-102	0.6113
								1650	0-092	0.6124
								1700		0.6144
								1710		0.6160
								1720		
								1720 1740		0.6173
								1800		0.6193
								1830		0.6218
								1900	0.012	
								1900	0.010	0.0226

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.143730.



SONORA, TEXAS WATERSHED W-7

LOCATION: Sutton County, Texas; 10 mi. NE of Sonora; Lowrey Draw, East Fork Devils Biver, Devils Biver, Bio Grande River Basin.

AREA: 12.20 acres

HC	NTHLY	PRECII	PITATION	AND BU	NOFF (inches	5)				SOHORA,	TEXAS	WATERSH	ED W-7			
		Jan	Peb	Mar	Apı	r	Bay	Jun	Jul	A	1g :	Sep	0ct	Nov	Dec	1	nnual
1971	P Q	0.0	1.27 0.0	0_0 0.0	3. (0. (0.46 0.0	1.34	3.95 0.026			2.58	4-02 0-001	0.50	0.7		5.77 0.054
STA AV	P Q	0.59 0.0	1.31	0.97 0.0	2.5		2.72 0.086	1.85 0.107	1.80			2.70	2.05 0.000	1.26	0.8		0.73 0.232
	ANNU	AL MAX		CHARGE	(in/hr)	AND						·	SELECTE		INTERV	ALS	
		Disch Date		1 Ho Date			Vol.		Vol.		Vol.		Day Vol.		Yol.		Vol.
1971		4-16	0.025	7~27	0.013	7-27	0.019	7-27	0.025	7-27	0.025	7-27	0.025	7-30	0.026	7-24	0.029
						15	REDUIXA	FOR PI	ERIOD OI	RECO	ORD						
		6- 2 1967	0.910	6- 2	0.570	6- 2 1967	0.660	6- 2 1967	0.660	6- 2 1967	0.660	6- 2 1967	0.730	6- 2 1967	0.730	6- 2 1967	0.730

NOTES: Watershed conditions: Rangeland - 100%; range condition - high fair. For map of watershed, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, p. 70.13-6. Precipitation data from rain agged: Precipitation and ranoff records began January 1965. For long-time precipitation records, see Mational Weather Service records at the Texas Igricultural Experiment Station, Substation No. 18, 18 miles south of Sonora, Petas.

1971	D	AILY PRECE	PITATION	(inches)			SO	NORA, TER	AS WATERS	BED W−7		
Day	Jan	Feb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	HOA	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1. 17	0.0	0.0	0.0	0.0
2	0.0	0.0	0_0	0.0	0.0	0.0	0.0	1.41	0.0	0.0	0.0	0.40
3	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	1.22	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
5	0.0	0.0	0.0	00	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.14
6	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.32	0.0	0.40	0.14E	0.0
8	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.58	0.0	0.0
9	0_0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22
10	0.0	0.0	0.0	00	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.06E	0.0	0.0	0.89	0.0	0_0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.59	0.0	0.19E	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.71	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	00	00	0_0	0.0	1_14	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2-22	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0
17	0.0	0.0	0.0	0.08E	0.0	0.0	0.0	00	0.0	0.05E	0.0	0.0
18	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.06E	0.15E	0.0	0.0
19	0.0	0.0	0.0	0.11E	0.0	0.0	0.0	0.0	0.35	0.98	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.22E	0.0	0.0	0.0	0.04E	0.0	0.0	0.0	0.0	0.0	0.0
22	0_0	0.0	0.0	00	C . O	0.13E	0.0	0.0	0.45	0.0	0.36	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.12B	0.0	1.50	G. 0	0.0	0.0
24	0.0	0.0	0.0	G. O	6.0	0.0	0.0	0.0	0.22	0.0	C-0	G.0
25	0.0	1.05	0.0	0.0	0.0	C. 0	0.75	0.0	0.0	0.0	0.0	0.0
26	0.0	C - O	0.0	0.0	0.0	0.0	0.46	0.0	0.0	C-64	G. 0	0.0
27	0_0	0.0	0.0	C_ 0	0.09B	0.0	2.18	0.0	0.0	0.0	0.0	C 0
28	00	0.0	0.0	0.02	C. 0	C.17E	G-44	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.65	0.0	0.0	0.0	C. 0	0.0	0.0	0.0	0.0
30	0.0		0.40	0.0	0_0	0.0		0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		G O		0.0	0.0		0.0		C. 0
TAL	0.0	1.27	0.0	3.08	0.46	1.34	3.95	7.80	2.58	4.02	0.50	0.77
ra av	0.59	1.31	0.97	2.52	2.72	1,85	1.80	2.07	2.70	2.05	1.26	0.87

NOTES: For daily air temperatures, in the vicinity, see table for Watershed W-14, p. 70.001-1. Precipitation data obtained from rain gage 1. Becords began January 1965. STA AV based on 7 yr record period. Estimate codes may indicate that non-significant event totals are included.

197	1		LY DISCHAE					ONORA, TE	AS WATER			
Day	Jan	Feb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002 4	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T		0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0_0	0.0	0.0	0_6	0.001	0.0	0.0	0.0	0.0
11	0. C	0.0	0.6	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0_C	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.C
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.c	0 . C	0 G	0.0
16	0.0	0.0	0.0	0.007	0.C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
18	0.C	0 . G	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.C	0 . G	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 - C
20	0.0	0.0	0.0	0.0	0. C	0.0	0.6	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 . G	0.0
22	0.0	0.0	0-C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
24 25	0.0	0.0	0.0	0_0	0_0	0.0	0.0	0-0	0.0	0.0	0_0	0.0
25	0.C	0.0	0 . G	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0-0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
27	0.6	0.0	0.0	0.0	0.0	0.0	0.013	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0 . G
29 30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0 0.0	0.0	0.0	0.0	0.0 0.0	0.0	0.0	0.0	0.0	0.0
EAN	0.0	0.0	0.0	0.0002	0.0	0.0	0.0004	0.6002	0.0	0_0	0.0	0.0
NCHES	0.0	0.0	0.0	0.0002	0.0	0.0	0.0004	0.0002	0.000	6-001	0.0	0.0
TA AV	0.0	0.0	0.0	0.013	0.086	0.107	0.026	0-015	0.000	0.000	0.0	0.002

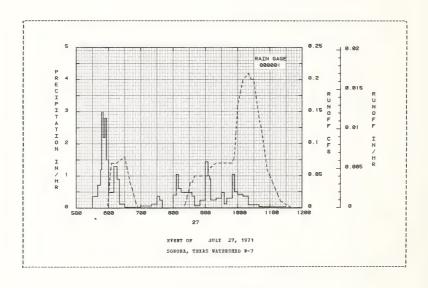
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 1.950955. Records began January 1965. STA AV based on 7 yr record period.

I SE	LECTED RUNOP	F EVENT				SONOE	RA, TEXAS	WATERSHED	W-7	
ANTECE	DBNT CONDIT				BPALL			RUNOR		
Date	Rainfall	Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
No-Day	(inches)	(inches)	Mo-Day	of Day	(in/hr)	(inches)	No-Day	of Day	(cfs)	(inches)
				drug or	JULY 27	. 1971				
			E	VENT OF	3011 27	, 1971				
	EG 000001			RG 0000						
7-27	0.0	0.0	7-27	530	0.0	0.0	7-27	556	0.0	0.0
				535	0.3600	0.03		558	0.004	0.0
				540	0.3600	0.06		600	0.021	0.0
				545	0.7200	0.12		602	0.040	0.0001
				547	1-2000	0.16		604	0.056	0.0002
	CONDITIONS:									
	- 100%, rang	e		550	3.0000	0.31		606	0.068	0-0004
dition -	- high fair.			553	2.2000	0.42		610	0.070	0.0008
				556	2.8000	0.56		615	0.067	0.0013
				600	1-5000	0.66		630	0.078	0.0028
				605	0.4800	0.70		635	0.062	0.0033
				610	0.4800	0.74		640	0.042	0.0036
				616	1.3000	0.87		644	0.029	0.0038
				618	0.9000	0.90		647	0.019	0.0039
				620	0.9000	0.93		650	0.009	0.0040
				630	0.1200	0.95		655	0.004	0.0040
				700	0.0200	0.96		700	0.004	0_0040
				720	0.0600	0.98		720	0.0	0.0041
				730	0.1200	1.00		740	0.0	0.0041
				735	0-3600	1.03		810	0.0	0.0041
				740	0.2400	1.05		818	0.0	0.0041
				800	0.0	1.05		820	0.003	0.0041
				806	0-4000	1.09		824	0.006	0.0041
				810	1.0500	1, 16		827	0.016	0.0041
				815	0.6000	1.21		830	0.030	0.0042
				820	0.4800	1.25		832	0.038	0.0043
				830	0.4800	1.33		836	0.043	0.0045
				835	0.4800	1.37		840	0.048	0.0047
				840	0.3600	1.40		850	0.048	0.0054
				850	0.0600	1-41		900	0.045	0.0060
				900	0.2400	1.45		904	0.049	0.0063

NOTES: To convert runoff in CPS to IM/HR, multiply by 0.081290.

SELECTED RUBOFF E	VENT			SOHO	RA, TEXAS	WATERSHEI	11-7	
ANTECEDENT CONDITION	S	BAI	NFALL			RUBOR	F	
Date Rainfall R Mo-Day (inches) (i		y of Day	(in/hr)	(inches)	Ho-Day	of Day		Acc. (inches)
		T OF JUL						
	TA TH	1 01 501	2/, 19/	(COMIT.	вовој			
	7-27	905	1.4400	1.57	7-27	906	0.059	0.0064
		908	10000	1.62		920	0.067	0.0076
		910	0.9000	165		930	0.068	0.0085
		920	0.2400	1.69		950	0.066	0.0103
		930	0.3000	1.74		954	0.084	0.0107
		935	0.4800	1.78		957	0.119	0.0111
		940	0.1200	1.79		1000	0.158	0.0117
		950	0.3000	1.84		1005	0.179	0.0128
		954	1.0500	1.91		1010	0.203	0.0141
		1000	0.5000	1.96		1020	0.209	0.0169
		1010	0.4200	2.03		1025	0.205	0.0183
		1020	0.3600	2.09		1030	0.197	0.0197
		1040	0.0900	2.12		1035	0.167	0.0209
		1130	0.0360	2.15		1040	0.140	0.0219
						1045	0.117	0.0228
						1050	0.092	0.0235
						1055	0.064	0.0240
						1100	0.049	0.0244
						1105	0.035	0.0247
						1110	0.026	0.0249
						1115	0.017	0.0251
						1120	0.010	0.0252
						1140	0.001	0.0253
						1200	0.0	0.0253

HOTES: To convert runoff in CFS to IN/HB, multiply by 0.081290.



TREYNOR, IOWA WATERSHED 1

LOCATION: Pottawattamie County, Iowa; approximately 6 miles southwest of Treynor; Silver Creek, West Mishnabotma River, Bissouri River Basin.

AREA: 74.50 acres

BO	NTHLY	PRECIE	HOLTATION	AND RUN	OFF (inc	hes)			TREYNOR	R, IOWA	WATERSH	ED 1			
		Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	De	c	Annual
	P	0.53	1,17	0.30	0.86	8.86	4.13	1.79	1.23	0.39	4.65	4.00	0.	93	28.84
1971	Q	0.163	0.665	0.558	0.154	3.955	0.425	0.301	0.185	0.125	0.173	0.18	2 0.	143	7.029
STA AV	P	0.50	0.59	0.84	3.07	4.64	6.68	3.74	3.71	4.03	3.08	1.19	0.	87	32,93
	Q	0.307	0.561	0.543	0.336	1.077	2.271	0.376	0.458	0.535	0.296	0.229	9 0.	215	7.204
	ANNU	AL HAXI	MUM DISC	HARGE (in/hr) À	ND MAXIMUM	AOLUME	S OF RUNO	PP (inche	s) FOR	SELECTE	D TIME	INTER	Vals	
	ANNU	 Baxi	sua				axisus	Volume for	Selecte	d Time	Interva	1			Days
	ANNU		sus arge	HARGE (r		laximum 6 Ho	Volume for	Selecte	d Time		1	ays	8	Days e Vol.
1971	ANNU	Maxi Disch	sum arge Rate	1 Hou Date V	r ol. Da	2 Hours	laximum 6 Ho Date	Volume for urs 1: Vol. Da	Selecte Hours te Vol.	d Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Dat	e Vol.
1971	ANNU	Baxi Disch Date	sum arge Rate	1 Hou Date V	r ol. Da	2 Hours te Vol.	laximum 6 Ho Date 5-17	Volume for urs 1: Vol. Da	Selecte Hours te Vol.	d Time 1 Date	Interva Day Vol.	l 2 Da Date	ays Vol.	8 Dat	e Vol.

1971	D.	AILY PREC	IPITATION	(inches)	,									
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Boa	Dec		
1	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.02	0.0	1.68	0.0		
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.25	0_0	0.0		
3	0.48	0.0	0.0	0.0	0.0	0.0	0.35	0.22	0.0	0.0	0.0	0.02		
4	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.36	0.02	0.0	0.0	0.08		
5	0.0	0.0	0.06	0.0	0.20	0.09	0.0	0.0	0.0	0.0	0.0	0.0		
6	0.0	0.0	0.0	0.0	1.79	0.16	0.0	0.0	0.0	0.0	0.0	0.0		
7	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.06	0.0	0.0		
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.10	0.10		
9	0.0	0.0	0.0	0.0	0.42	0.75	0.76	0.0	0.0	0.0	0.0	0.0		
10	0.0	0.0	0.0	0.0	2.07	0.17	0.60	0.0	0.0	0.0	0.0	0.0		
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14	0_0	0.0	0.10	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0		
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10		
16	0.0	0.0	0.0	0.11	0.02	0.0	0.0	0.0	0.0	0.0	0.40	0.0		
17	0.0	0_0	0.0	0.0	0.93	0.0	0.02	0.0	0.0	0.0	1.13	0.0		
18	0.0	0.33	0.0	0.0	2,51	0.33	0.03	0_0	0.0	0_47	0.0	0.0		
19	0.0	0.27	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
20	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0		
21	0.0	0.06	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
22	0.0	0.39	0.02	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.0		
23	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.14	0.0		
24	0.0	0.0	0.0	0.0	0_14	0.0	0.0	0.16	0.02	0.0	0.0	0.0		
25	0.0	0.0	0.10	0.0	0.0	0.0	0.03	0.0	0.27	0.0	0.0	0_0		
26	0.0	0.02	0.0	0.10	0.0	0.0	0_0	0_0	0.0	0.07	0.10	0.0		
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	J. 76	0.0	0.05		
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.45	0.0		
29	0.05		0.0	0.0	0.0	1.91	0.0	0.0	0.06	2.07	0.0	0.58		
30	0.0		0.0	0.28	0.25	0-15	0.0	0.0	0.0	0.91	0.0	0.0		
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0		
TOTAL	0.53	1.17	0.30	0.86	8.86	4.13	1.79	1,23	0.39	4.65	4.00	0.93		
STA AV	0.50	0.59	0.84	3.07	4.64	6.68	3.74	3.71	4.03	3.08	1.19	0.87		

HOTES: Daily precipitation amounts are from rain gage 117 before April 1 and after Hovember 1; Thiessen weighted average values from stations 116, 117, and 118 for remainder of year. STA AV based on 8 yr record period.

Day 1 2 3 4 5	Jan 0.020 0.020 0.020 0.020 0.020 0.020	Peb 0_009 0_007 0_007 0_007 0_007	0.025 0.025 0.025 0.022 0.294 0.271	Apr 0.011 0.011 0.012 0.011 0.013	May 0.020 0.018 0.015	Jun 0.030 0.033	Jul 0.024	Aug 0_018	Sep 0.014	0ct 0.012	Nov 0, 108	Dec 0.014
2 3 4 5	0.020 0.020 0.020 0.020 0.020	0.007 0.007 0.007 0.007	0.025 0.022 0.294	0.011 0.012 0.011	0.018					0.012	0.108	0.014
3 4 5 6 7	0.020 0.020 0.020 0.020	0.007 0.007 0.007	0.022	0.012		0.033						
4 5 6 7	0.020 0.020 0.020 0.017	0.007 0.007	0.294	0.011	0-015		0.023	0.019	0.013	0.014	0.020	0.014
6 7	0.020 0.020 0.017	0.007				0.028	0.032	0.026	0.012	0.013	0.015	0.01
6 7	0.020 0.017		0.271		0.014	0.025	0.028	0.028	0.014	0.013	0.014	0.01
7	0.017	0.007		0.013	0.017	0.031	0.027	0.022	0.014	0.013	0.014	0.01
			0.114	0.014	1.054	0.030	0.024	0.021	0.014	0.013	0.014	0.01
		0.007	0.033	0.014	0.148	0.032	0.023	0.022	0.012	0.012	0.014	0.01
	0_C14	0.006	0.090	0.014	0.036	0.028	0.023	0.022	0.013	0.012	0.016	0.01
9	0.012	0.017	0.133	0.014	0.276	0.085	0.043	0.022	0.013	0.011	0.014	0.01
10	0.011	0.023	0.273	0.014	4.279	0.103	0.229	0.020	0.012	0.011	0.014	0.01
11	0.011	0.322	0.160	0.014	0.059	0.025	0.029	0.018	0.013	0.011	0.014	0.014
12	0.011	0_020	0.032	0.014	0.043	0.025	0.024	0.019	0.013	0.012	0.014	0.01
13	0.011	0.006	0.029	0.017	0.038	0.025	0.023	0.017	0.013	0.014	0.014	0.01
14	0.011	0.005	0.021	0.020	0.035	0.026	0.025	0.016	0.011	0.014	0.017	0.01
15	0-011	0.167	0.017	0.020	0.034	0.026	0.024	0.020	0.011	0.014	0.015	0.01
16	0.011	0.215	0.014	0.020	0.033	0.025	0.024	0.017	0.012	0.614	0.019	0.01
17	0.011	0.201	0.014	0.020	1.149	0.025	0-024	0.018	0.012	0.014	0.043	0.01
18	0.011	0.482	0.014	0.020	4.606	0.031	0.027	0.018	0.014	0.019	0.020	0.01
19	0.011	0.284	0-014	0.022	0.058	0.026	0.024	0.017	0.014	0.012	0.015	0.01
20	0.011	0.011	0.014	0.026	0.043	0.027	0.025	0.020	0.014	0.013	0.014	0.01
21	0.011	0.011	0.014	0.022	0.045	0.026	0.022	0.022	0.013	0.014	0.014	0.01
22	0.011	0.011	0_014	0.017	0.042	0.040	0.021	0.018	0.014	0.014	0.014	0.01
23	0.011	0.011	0.014	0.014	0.040	0.025	0.016	0.020	0.013	0.014	0.014	0.01
24	0.011	0-011	0.014	0.014	0.041	0.023	0.019	0.018	0.013	0.014	0.014	0.01
25	0.015	0.011	0.014	0.014	0.036	0.024	0.020	0.017	0.016	0.014	0.014	0.01
26	0.014	0.084	0.012	0.016	0.036	0.023	0.021	0.014	0.014	0.014	0.015	0.01
27	0.014	0.103	0-011	0.016	0.032	0.023	0.022	0.014	0.013	0.028	0.014	0.01
28	0.012	0.029	0.011	0.014	0.031	0.021	0.020	0.014	0.012	0.014	0-014	0.01
29	0.091		0.011	0.014	0.030	0.396	0.020	0-014	0.012	0.081	0.014	0.02
30	0.023		0.011	0.017	0.035	0.040	0.019	0.014	0.012	0.057	0.014	0.01
31	0.012		0_011		0.035		0.018	0.014		0.016		0.01
AN	0.0165	0.0744	0.0563	0.0160	0.3993	0-0443	0.0304	0.0187	0.0130	0.0175	0.0190	0.01
CHES A AV	0.163	0.665	0.558	0.154	3.955 1.077	0.425 2.271	0.301	0.185 0.458	0.125	0-173 0-296	0.182 0.229	0.1

HOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.31949. STA AV based on 8 yr record period.

	P EVENT						WATERSHED		
ANTECEDENT CONDIT				ENPALL			RUNOP		
Date Rainfall	Runoff		Time	Intensity		Date	Time	Rate	Acc.
Ho-Day (inches)	(inches)		of Day	(in/hr)		No-Day	of Day	(cfs)	(inches)
		EAE	NT OF	MAY 10 -	11, 1971				
RG 000117			EG 000						
5-10 0.43	0.202	5-10	1900	0.0	0.0	5-10	1900	0.038	0.0
			1907	1.6288	0.19		1901	0.055	0.0
			1911	0.1500	0.20		1902	0.071	0.0
			1956	0_0	0.20		1903	0.101	0.0
			2005	0.5333	0.28		1904	0.149	0.0
ATERSHED CONDITIONS:									
% Contoured corn, 1-	2		2011	0.0	0.28		1905	0.167	0.0
. tall, 5% of surfac			2013	1. 1997	0.32		1906	0.231	0.0
vered by stalk resid	ne*		2020	0.0	0.32		1907	0.254	0.0001
qullies and grassed			2023	5-5997	0.60		1908	1-421	0.0003
terways, grass 8 in.			2032	1-0000	0.75		1909	13.900	0.0020
cerways, grass o in-	call.		2032	1.0000	0.75		1303	13. 900	0.0020
			2040	0.4500	0.81		1910	32.291	0.0071
			2049	0.1333	0.83		1911	44.795	0.0156
			2053	1-5000	0.93		1912	49,266	0.0261
			2058	0.3600	0.96		1913	46.646	0.0367
			2102	1-0500	1.03		1914	44-175	0.0467
			2102	1.0300	1.03		1314	44.175	0.0407
			2115	0.3692	1.11		1915	40-513	0.0562
			2119	1.5000	1-21		1916	36.542	0.0647
			2124	1-4401	1.33		1917	32.811	0-0724
			2131	0.6857	1.41		1918	29, 280	0.0793
			2133	1-5004	1.46		1919	25.773	0.0855
			2133	12.5004	1.40			230113	0.0000
			2140	0-2571	1.49		1920	22.997	0.0909
			2210	0.0400	1.51		1921	20.927	0.0958
			2210	0.0400			1922	19.036	0.1002
							1923	16. 195	0.1042
							1924	13.024	0. 1074
							1324	132024	02 10/4
							1925	11.854	0.1101
							1927	9,999	0.1150
							1929	8,518	0-1191
							1930	7.873	0. 1209
							1931	7.227	0. 1226

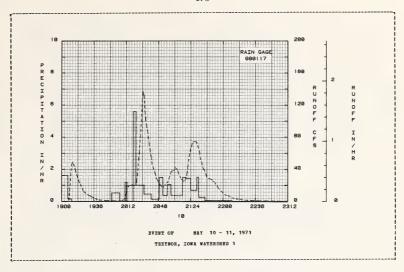
NOTES: To convert runoff in CFS to IM/MB, multiply by 0.01331. Event precipitation totals for rain gages 116 and 118 are 1.84 and 1.70 in., respectively and Thiessen weighted average total for event is 1.65 in.

				n	WD377			EDNOF	,	
	ainfall	Runoff	Date	Time	NPALL Intensity	Acc.	Date	Time of Day	Eate (cfs)	Acc.
Bo-Day (inches)	(inches)	Mo-Day	of Day	(in/hr)	(inches)	Ho-Day	or pay	(CLS)	(Inches)
			EVENT OF	HAY	10 - 11,	1971 (CO	NTINUED)			
							5-10	1933	6.022	0.1255
								1934	5.462	0.1268
								1936	4.411 2.981	0.1290 0.1306
								1940	2.351	0.1318
								1942	1.810	0.1327
								1945	1.456	0.1338
								1948 1953	1.090 0.808	0.1346 0.1357
								1958	0.663	0.1365
								2004	0.557	0.1373
								2007	0.557	0.1377
								2008	0.969	0.1379
								2010	3.096	0.1382 0.1388
								2011	3.811	0.1396
								2012	9-243	0.1411
								2013 2014	19.797 19.036	0.1443 0.1486
								2015	18.286	0. 1528
								2016	19.416	0.1570
								2017	20.171	0.1614
								2018	19.797 20.927	0.1658 0.1704
								2020	19.416	0.1749
								2023	20.547 25.773	0.1882
								2024	25.773 35.401	0.19330 0.2001
								2025	52.607	0.2001
								2027	64.331	0.2229
								2028	80.967	0.2390
								2029	99.933	0.2590
								2030 2031	128.642 136.770	0.2846 0.3139
								2032	131-143	0.3435
								2033	111.536	0.3703
								2034	99.933	0.3940
								2035 2036	92.050 87.284	0.4152
								2037	77. 386	0.4532
								2038	69.003	0.4696
								2039 2040	61.220 55.399	0.4840
								2040	46.025	0.5081
								2043	39.943	0.5272
								2045	32.291	0.5433
								2046	28.349 24.268	0.5500
								2048 2050	20.547	0.5716
								2052	18-286	0.5802
								2053	17.191	0.5842
								2054	18.286	0.5881
								2055 2056	19.797 21.307	0.5923
								2058	23.423	0.6068
								2059	25-114	0.6122
								2100	28.815	0.6182
								2101	31.260 36.542	0.6248
								2103	37.672	0.6405
								2104	37-672	0.6489
								2105	38.813	0.6574
								2106 2107	39.943 42.324	0-6661 0-6752
								2108	41.084	0.6846
								2109	39.378	0.6935
								2110	37-672	0.7020 0.7099
								2111	31.260	0.7172
								2113	29-280	0.7239
								2114	27.409	0.7302
								2115	26.479	0.7362
								2116 2117	25.538 25.538	0.7419 0.7475
								2118	26.008	0.7532

NOTES: To convert runoff in CFS to IB/BB, multiply by 0.01331. Event precipitation totals for rain gages 116 and 118 are 1.84 and 1.70 in., respectively and Thiessen weighted average total for event is 1.65 in.

SEL.	ECTED RUMOP	F EVENT						WATERSHED		
ANTECED	ENT CONDIT	IONS		RAI	MPALL				,	
Date Mo-Day	ENT CONDIT Eainfall (inches)	(inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Eate (cfs)	Acc. (inches)
			EVENT OF	MAY	10 - 11,	1971 (COE	TINUED)			
							5-10	2119	29.280 34.882 43.554	0.7594
								2120	34.882	0.7665
								2121	43.554	0.7752
								2122 2123	52.607	
									59.034	
								2124	65.891	0.8121
								2125	68.222	0.8269
								2126	68.222 72.354 74.035	0.8424
								2127 2129	74.035	0.8588
								2130	74.870	0.9085
								2131	12.354	0.9248
								2132	72.354 69.003 61.220	0.9404
								2135	51.937	0.9819
								2136	49.266	0.9931
								2137	45-410	1.0036
								2138	40.513	1.0132 1.0305 1.0384
								2140	37.672	1.0305
								2141	33.846	1.0384
									30.220	
								2144	28.349	1.0585
								2146	27.879	1.0711
								2148	26.479	1.0831
10								2149	25, 114	1.0889
								2150	24.268	1.0944
								2151	22.997	1.0996
								2152	21.307	1.1045
								2154	17.906	1. 1132
								2156	14.865	1.1204
								2158	12.729	1.1265
								2200	10.503	1.1317
								2202	8.518	1.1359
								2204	7.442	1. 1395
								2206	7.013	1.1427
								2208	5-647	1.1455
								2210 2212	4.411 3.811	1. 1477
								2212	3.096	1. 1495
								2217	2.656	1, 1531
								2219	2.256	1.1531
								2222	1.810	1. 1555
								2225	1.490	1.1566
								2228	1.246	1. 1575
								2231	1.090	1.1583 1.1592 1.1601
								2235	0.859	1.1592
								2240	0.757	1. 1601
								2248 2255	0.577	1.1613 1.1621
								2305	0.306	1. 1629
								2315	0.208	1. 1635
								2325	0.149	1.1635 1.1639 1.1642
								2336	0.116	1.1642
								2400	0.116	1. 1648
							5-11		0.089	1.1662
								300	0.076	1.1684

NOTES: To convert runoff in CFS to IN/HR, multiply by 0.01331. Event precipitation totals for rain gages 116 and 118 are 1.84 and 1.70 in., respectively and Thiessen weighted average total for event is 1.65 in.



TREYNOR, IOWA WATERSHED 2

LCCATION: Pottawattamie County, Iowa; approximately 6 miles southwest of Treynor; Keg Creek, Missouri River Basin-

AREA: 82.80 acres

MO	PTHLY	PRECIE	ITATION	WAD BAI	NOFF (i	nches)			I	RETHOR	, IOWA	WATERSE	ED 2			
		Jan	Peb	Har	Apı		Hay	Jun	Jul	Àυ	1g 5	Sep	Oct	Fov	Dec		Annual
	P	0.53	1.17	0.30			8.73	4.05	1.70			51	4.74	4.06			28.99
1971	Q	0.272	0-927	0.818	B 0_2	:34	2.612	0.412	0. 288	0.	204 (. 143	0.178	0.20	1 0.1	72	6.461
STA AV	P	0.50	0.59	0.91			4.57	6.64	3.65			↓. 07	3.06	1.21			32.71
	Q	0.330	0.655	0.596	6 0.3	119	0.882	2.132	0.315	0.	400 (.497	0.300	0.22	2 0.2	17	6.864
		Maxi Disch	num arge		ar	2 E		aximum 6 H	Volume ours	for S	elected	Time	Interval Day Vol.	1 2 D		8	Days Vol.
1971		5-18	2.559	5-18	0.650	5-18	0.781	5-17	0.950	5-17	1.039	5-17	1.151	5-17	1.169	5-10	2.049
						8	AXIMUMS	POR P	ERIOD OF	RECO	RD						
		6-20 1967	4.866	6-20 2 1967	2.701	6-20 1967	3.693	6-20 1967	3.780	6-20 1967	3.786	6-20 1967	3.796	6-20 1967	3.810	6- 4	5.531

NOTES: Watershed conditions: 95% contoured corm; 5% gullies and grassed waterways. Precipitation from raim gage 117 before April 1 and after November 1; Thiessen average of raim gages 115, 116, and 118 for remainder of year. Precipitation records hegan January 1, 1964. Bunoff records hegan Pebruary 3, 1964. Junoff records hegan Pebruary 3, 1964. Junoff vicinities and included in average. For daily air temperature, in the vicinity, see table for Natershed 3 (71.003). For topographic map of watershed, see Sayforlogic batt for Experimental agricultural Matersheds in the United States, 1964, USDA Misc. Pub. 1194, p. 71.2-5. For long-time precipitation records, see National Weather

1971	D.	AILY PREC	IPITATION	(inches)			T	RETHOR, I	WA WATER	SHED 2		
Day	Jan	Feb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.02	0.0	1.74	0.0
2	0_0		0.0	0.0	0.0	0.0	0.0	0_14	0.0		0_0	0.0
3	0.48	0.0	0.0	0.0	0.0	0.0	0.31	0.21	0.0	0.0	0.0	0.02
4 5	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.35	0.02	0.0	0.0	0.08
5	0.0	0.0	0.06	0.0	0 26	0.10	0.0	0.0				
6	0.0	0.0	0.0		1.74	0.11	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0_0	0.31	0.0	0.0	0.0	0_0	0.05	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.05	0.10	0.10
9	0.0	0.0	0.0	0.0	0.42	0.71	0.78	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	2.20	0.17	0.51	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0_0	0.0	0_0	0_0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0_0	0.0	0.0	0_0	0.0	0.0	0_0	0.0	0.0
14	0.0	0.0	0.10	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10
16	0.0	0.0	0.0	0.09	0.02	0.0	0.0	0.0	0.0	0.0	0.40	0.0
17	0.0	0.0	0.0	0.0	0.86	0.0	0.03	0.0	0.0	0.0	1.13	0.0
18	0.0	0.33	0.0	0.0	2.31	0.31	0.04	0.0	0.0	0.50	0_0	0.0
19	0.0	0.27	0_0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.41	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0_0
21	0.0	0.06	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.39	0.02	0_0	0.0	0.62	0.0	0_0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.14	0.0
24	0.0	0.0	0.0	0_0	0.15	0.0	0.0	0.22	0.07	0.0	0.0	0.0
25	0.0	0.0	0.10	0.0	0.0	0.0	0.03	0.0	0.29	0.0	0.0	0.0
26	0.0	0.02	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.08	0.10	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.84	0.0	0.05
28	00	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.45	0.0
29	0.05		0.0	0.0	0.0	1.84	0.0	0.0	0.11	2.05	0.0	0.58
30	0.0		0.0	0.24	0.26	0.19	0.0	0.0	0.0	0-91	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
OTAL		1_17	0.30	0.82	8.73		1.70	1.45	0.51	4.74	4.06	0.93
	0.50		0.91	3.04	4.57	6.64	3.65	3.59	4.07	3.06	1.21	0.87

HOTES: Daily precipitation amounts are Thiossen weighted average values from stations 115, 116, and 118 for period of April 1 through November 1, and from station 117 for remainder of year. STA AV based on 8 yr record period.

197	1	MEAN DAIL	Y DISCHAR	SE (cfs)										
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	0_027	0.027	0.033	0.027	0.030	0.039	0.031	0.023	0.017	0.012	0.117	0.022		
2	0.027	0.027	0.029	0.027	0.027	0.037	0.029	0.025	0.015	0.018	0.025	0.022		
3	0.027	0-027	0.029	0.028	0.024	0.037	0.038	0.031	0.015	0.012	0.020	0.022		
4	0.027	0.027	0.313	0.027	0.025	0.037	0.031	0.038	0.017	0.015	0.018	0.022		
5	0.027	0.027	0.314	0.027	0.030	0.038	0.031	0.027	0.015	0.016	0.017	0.022		
6	0.027	0.027	0.168	0.028	0.477	0.039	0.031	0.026	0.017	0.015	0.017	0.022		
7	0.027	0.027	0.049	0.027	0.085	0.038	0.030	0.027	0.015	0.014	0.017	0.022		
8	0.027	0.027	0.126	0.026	0.034	0.037	0.029	0.027	0.016	0.015	0.020	0.019		
9	0.027	0.027	0.225	0.028	0.135	0.076	0.049	0.025	0.016	0-014	0.018	0.017		
10	0.027	0.027	0.616	0.026	3.293	0.105	0.146	0.023	0.016	0.014	0.017	0.017		
11	0.027	0.448	0.322	0.026	0.063	0.034	0.031	0.023	0.016	0.016	0.017	0-017		
12	0.027	0.053	0.077	0.027	0.045	0.031	0.031	0.021	0.015	0.015	0.017	0.017		
13	0.027	0.028	0.037	0.028	0.044	0.031	0.028	0.023	0.016	0.014	0.017	0.017		
14	0.027	0.027	0.035	0.027	0.044	0.033	0.029	0.020	0.016	0.015	0.017	0.017		
15	0.027	0.282	0.032	0.027	0.043	0.031	0.027	0.022	0.016	0.014	0.017	0.024		
16	0.027	0.329	0.033	0.029	0-041	0.031	0.025	0.023	0.017	0.015	0.025	0.019		
17	0.027	0.329	0.031	0.027	0.522	0.031	0.025	0.023	0.017	0.017	0.052	0.017		
18	0.027	0.749	0.030	0.028	3.538	0.038	0.027	0.023	0.017	0.024	0.023	0.017		
19	0.027	0.349	0.028	0.027	0.063	0.031	0.027	0.025	0.017	0.017	0.023	0.017		
20	0.027	0.035	0.029	0.036	0.047	0.030	0.028	0.036	0.018	0.017	0.017	0.017		
21	0.030	0.027	0.027	0.029	0.048	0.031	0.025	0.026	0.020	0.017	0.017	0.017		
22	0.028	0.027	0.026	0.025	0.047	0.091	0.027	0.022	0.019	0.017	0.017	0.017		
23	0.030	0.027	0.025	0.023	0.049	0.031	0.027	0.016	0.019	0.017	0.021	0.022		
24	0.030	0.029	0.025	0.023	0.052	0.029	0.025	0.023	0.017	0.017	0.019	0.017		
25	0.034	0.032	0.027	0.023	0.044	0.030	0.028	0.015	0.023	0.017	0.017	0.017		
26	0.031	0.055	0.028	0.028	0-044	0.028	0.025	0.016	0.018	0.017	0.020	0.017		
27	0.027	0.086	0.027	0.027	0.041	0.026	0.025	0-017	0.016	0.029	0.017	0.017		
28	0.027	0.042	0.027	0-025	0.038	0.026	0.025	0.016	0.015	0.017	0.020	0.017		
29	0.092	0.042	0.027	0.027	0.036	0.291	0.025	0.015	0.016	0.079	0.022	0.030		
30	0.052		0.026	0.030	0.039	0.049	0.025	0.017	0.013	0.060	0.022	0.021		
31	0.027		0.025		0.041	0.049	0.023	0.017		0.021		0.019		
EAN .		0.1151	0.0918	0.0271	0.2931	0.0477	0.0323	0.0229	0.0166	0.0200	0.0234	0.019		
HCHES	0.272	0-927	0.818	0.234	2,612	0.412		0.204	0.143	0.178		0-17		
TA AV	0.330		0.596	0.319		2. 132		0.400	0-497	0.300		0.21		

NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.28746. STA AV based on 8 yr record period.

71 SELECTED RUNO							WATERSBED		
ANTECEDENT CONDI				INPALL			RUNOF		
Date Rainfall Mo-Day (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
		EVE	ST OF	MAY 10 -	11, 1971				
RG 000115			BG 000	115					
5-10 0-39	0.107	5-10	1901	0.0	0.0	5-10	1902	0.055	0.0
			1905	2.8501	0.19		1903	0.094	0.0
			1910	1-4401	0.31		1904	0.147	0.0
			1916	0.3000	0.34		1905	0.163	0.0
			2000	0.0	0.34		1906	0-214	0.0
WATERSHED CONDITIONS	:		2.00						
5% Contoured corn, d	isk and		2007	0.6001	0-41		1907	0.274	0.0
lanted 5-3-71: 60% d			2014	0.0	0.41		1908	0.295	0.0001
reparation for plant	ing		2017	1.5999	0.49		1909	0.395	0.0002
orn, 5% of surface co	overed		2022	0.0	0.49		1910	0.653	0-0003
y stalk residue: 5%	qu1-		2028	3,4998	0.84		1911	8.723	0.0012
ies and grassed wate:	r-				-				
ays, grass 5 in. tal	1.		2034	0.9999	0.94		1912	13.125	0.0034
-			2044	0.3000	0.99		1913	13.605	0.0061
			2052	0.1500	1.01		1916	13,605	0.0143
			2058	1.0999	1.12		1917	14.905	0.0171
			2108	0.6000	1.22		1918	17.366	0.0203
			2114	0.5000	1.27		1919	17.656	0.0238
			2121	1.2857	1.42		1920	17.221	0.0273
			2129	1.0500	1.56		1921	16.495	0.0307
			2133	0.4500	1.59		1922	15.685	0.0339
			2139	0.5000	1.64		1923	14.125	0.0369
			2141	1.8004	1.70		1924	13.364	0.0396
			2143	0.0	1.70		1925	12.645	0.0422
			2145	1.1997	1.74		1926	11.444	0.0446
			2200	0.1200	1.77		1927	9.523	0.0467
			2215	0.0800	1.79		1928	8.343	0.0485
							1929	7.392	0.0501
							1931	6,262	0.0528
							1933	5.642	0.0552
							1934	5.092	0.0563
							1935	4.681	0.0573

NOTES: To convert runoff in CFS to IN/HB, multiply by 0.01198. Event precipitation totals for rain gage 116 and 118 are 1.84 and 1.70 respectively, and Thiessen weighted average total for event is 1.79 in.

		PF EVENT				TRE	YNOR, IOWA	WATERSHE	D Z	
ANTECED	ENT CONDIT	PIONS		RAI	NFALL			RUNO		
Date Ho-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc.	Date) Mo-Day	Time of Day	Rate (cfs)	Acc. (inches
			EVENT OF	HAY	10 - 11,	1971 (0	ONTINUED)			
							5-10	1936 1937	4.271 4.041	0.0582 0.0590
								1939	3.451	0.0605
								1941	3.006	0.0618
								1943	2.445	0.0629
								1945	2.000	0.0638
								1948	1.701	0.0649
								1950	1.321	0.0655
								1956 2000	0.999	0.0669
								2005	0.731	0.0684
								2010	0.692 0.773	0.0691 0.0692
								2012	1.261	0.0694
								2013	2.081	0.0697
								2014	3.216	0.0702
								2015	4-041	0.0709
								2016	4.542	0.0718
								2017 2018	4.681 4.681	0.0727
								2019	4-271	0.0745
								2020 2021	4.407 7.203	0.0754 0.0766
								2022	10.573	0.0784
								2023	11,684	0.0806
								2024	12.164	0.0830
								2025	12.884	0.0855
								2026	13-605	0.0881
								2027 2028	17.366 34.647	0.0912
								2029 2030	41.734	0.1040
								2030	51.942 59.124	0.1135 0.1245
								2032	77.048	0.1380
								2033	110.836	0.1567
								2034	107.235	0.1787
								2035	96.121	0.1989
								2036 2037	89.590 84.153	0.2174
								2037	77.415	0.2510
								2039	68.913 62.280	0.2655
								2041	54.818	0.2785 0.2901
								2042	49.066	0.3006
								2043	43.219	0.3098
								2044	40.248	0.3181
								2045	34.647	0.3257
								2046	32.481	0.3324
								2048	26.009	0.3442
								2049	23.848	0.3492 0.3538
								2051	18.816	0.3579
								2052	16-495	0.3614
								2053	14.775	0.3646
								2054	14.125	0.3675
								2055	12.764	0.3702
								2056 2057	12.764	0.3727 0.3754
								2059	15.425	0.3812
								2100	16.495	0.3844
								2102	19.766	0.3915
•								2103	22.407	0.3957
								2104	25.648	0.4005
								2105	27.179	0.4058
								2106	28.740	0.4114
								2107	29.130 28.349	0.4172
								2109	27.959	0.4286
								2110	27,569	0.4341
								2111	26.009	0.4394
								2112	25.648	0.4446
								2113 2114	24.208 22.768	0.4496

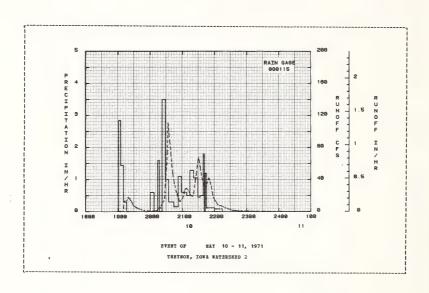
NOTES: To convert runoff in CFS to IN/HE, multiply by 0.01198. Event precipitation totals for rain gage 116 and 118 are 1.84 and 1.70 respectively, and Thiessen weighted average total for event is 1.79 in.

ANTECEI	ENT CONDIT	IONS		RAI	NPALL			RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)	Acc. (inches	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	MAY	10 - 11,	1971 (C	ONTINUED)			
							5-10	2115 2116 2117 2118	21.087 20.427 19.766 19.107	0.4587 0.4628 0.4668 0.4707
								2119	19.107	0.4746
								2121 2122 2123 2124	22.077 26.789 33.331 37.853	0.4827 0.4876 0.4937 0.5008
								2125 2126 2127 2128 2129	42.229 45.855 50.792 58.509 63.591	0.5088 0.5176 0.5274 0.5383 0.5504
								2130 2131 2132 2133 2134	67.523 65.556 60.970 57.279 51.367	0.5636 0.5768 0.5894 0.6012 0.6122
								2135 2136 2137 2138 2139	48.531 45.320 41.238 38.763 36.022	0.6221 0.6314 0.6400 0.6481 0.6555
								2141 2142 2143 2144 2145	32.906 31.195 31.620 30.770 32.481	0.6692 0.6757 0.6819 0.6881 0.6945
								2146 2147 2148 2149 2150	35.102 36.932 39.753 41.734 41.734	0.7012 0.7084 0.7160 0.7242 0.7325
								2151 2152 2153 2154 2155	39.258 37.393 33.761 31.620 27.959	0.7406 0.7482 0.7554 0.7619 0.7678
								2156 2157 2158 2159 2200	24.568 20.756 17.946 16.495 15.425	0.7730 0.7776 0.7814 0.7848 0.7880
								2201 2202 2203 2204 2205	13.864 13.244 12.404 11.204 9.944	0.7909 0.7936 0.7961 0.7985 0.8006
								2206 2207 2209 2211 2213	8.913 8.343 7.773 7.392 6.970	0.8025 0.8042 0.8074 0.8104 0.8133
								2214 2216 2218 2220 2221	6.582 6.030 5.507 4.822 4.542	0.8146 0.8171 0.8194 0.8215 0.8224
								2224 2226 2228 2230 2232	3.922 3.331 2.911 2.399 1.920	0.8249 0.8263 0.8276 0.8287 0.8296
								2234 2235 2236 2237	1.560 1.380 1.380 1.380	0.8303 0.8306 0.8309 0.8312
								2238 2240 2242 2244 2246	1.440 1.321 1.201 1.150	0.8315 0.8321 0.8327 0.8332 0.8337

NOTES: To convert runoff in CPS to IN/HR, multiply by 0.01198. Event precipitation totals for rain gage 116 and 118 are 1.84 and 1.70 respectively, and Thiessen weighted average total for event is 1.79 in.

971 5	ELECTED BUNG	PP EVENT				TREY	HOR, IOWA	WATERSBEI	2	
	EDENT COMDI				MPALL			RUNOE	'P	
Date No-Day	Rainfall (inches)	Runoff (inches)	Date So-Day	of Day	Intensity (in/hr)	Acc. (inches)	Date No-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	BAT	10 - 11,	1971 (CO	etinued)			
							5-10	2249	0.951	0.8343
								2252 2259	0.814	0.8348 0.8359
								2309 2324	0.548	0.8371
								2334	0.243	0.8390
								2341 2350	0.179	0.8393 0.8396
							5-11	2400	0.132 0.105	0.8399 0.8427

BOTES: To convert runoff in CFS to IM/MR, multiply by 0.01198. Event precipitation totals for rain gage 116 and 118 are 1.84 and 1.70 respectively, and Thiessen weighted average total for event is 1.79 in.



TREYNOR, IOWA WATERSHED 3

LOCATION: Pottawattamic County, Iowa; approximately 3 miles southwest of Treynor; Silver Creek, West Nishnabotna River, Bissouri River Basim.

AREA: 107.00 acres

HO	NTHLY	PRECIP	ITATION	AND RUNO	FF (inche	s)			TREYN	OR, IOWA	WATERSH	ED 3			
		Jan	Feb	Bar	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Дес	ı	Annual
1971	P Q	0.96 0.171	1.14 0.705	0.20 0.690	1.06 0.192	9.56 0.967	3.44 0.472	1.53 0.294	1.51 0.183	0.72 0.111	4.80 0.152	3.91 0.204	0.87		9.70 4.364
STA AV	P Q	0.53 0.259	0.61 0.541	0.85 0.525	3.16 0.305	4.63 0.393	6.42 0.760	3.39 0.352	3.20 0.247	3.93 0.271	3.05 0.326	1.15 0.226			1.76 4.823
	ANNO	Maxi Disch	num irge	1 Hour		Hours	aximum 6 Ho	Volume f	or Selec	ted Time	Interva Day	1 2 Da	ys	8 1	
1971	ABNO	Maxi	num irge Rate	1 Hour	2	Hours Vol.	aximum 6 Ho Date	Volume f urs	or Selec 12 Hours ate Vol	ted Time 1	Interva	1 2 Da Date	ys Vol.	8 I Date	Ŷol.
1971	ANNO	Maxi Disch Date	num irge Rate	1 Hour	2 1. Date 233 5-10	Hours Vol. 0.327	aximum 6 Ho Date 5-10	Volume f urs	or Selectic Hours ate Vol.	ted Time 1	Interva Day Vol.	1 2 Da Date	ys Vol.	8 I Date	Ŷol.

FORTE: Reterance conditions: 96% personent pacture with controlled grazine; M grawl mode and farantend. Precipitation: Frither controlled grazine; M grawl mode and farantend. Precipitation: Frither controlled grazine and the force and average of gages 112, 113 and 114 for remainder of year. Precipitation records began January 1, 1964. January 1, 1964 month of estimated and included in arerage. For topograph map of watershed, see "Bydrologic Data for Erperimental Agricultural Matersheds in the United States, 1964, USDA Misc. Pub. 1194, p. 71.3-8. Per iong-time precipitation records, see Bational Weather Service records at Onaha, Webrast Onaha, 1967.

197	1 DAI	LY .	AIR T	EMPE											REYNO	DR, I	OWA F	ATBE	SHED					
Day	Jan max si	in	Pe max		nax nax	r	λŗ		Ħа	y	Jυ	I IB	Jτ	11	na x		Se max			ct	na x	w	De max	:C
1		26	18	ц	30	20	42	27	60	40	72	56	85	61	89	58	90	64	86	71	50	41	31	22
2		22	30	14	23	12	43	27	58	33	79	53	85	59	84	59	93	68	76	54	53	33	33	25
3		12	26	23	28	9	48	23	69	33	89	57	76	63	76	60	92	68	68	43	50	31	33	28
4	12	0	22	12	42	18	48	26	75	48	90	68	82	68	71	60	79	64	76	44	56	29	34	30
5	4 -	-8	16	3	36	27	46	23	69	53	92	64	87	66	76	59	86	53	79	52	53	27	35	27
6	6 -1	14	14	-2	31	25	60	26	58	52	90	62	88	64	79	57	96	59	78	46	34	14	37	35
7	10 -	14	2	-6	28	18	76	30	55	47	82	59	96	71	72	57	100	60	74	42	32	12	37	31
8		10		-12	33	13	76	45	68	43	80	58	83	64	82	64	84	65	62	40	38	29	37	30
9		18	14	-8	41	27	67	38	67	47	80	61	80	63	90	64	82	57	54	40	56	33	34	19
10	22	12	37	8	45	25	74	33	72	55	82	62	85	65	89	69	90	56	76	36	64	34	34	13
11	16	0	44	34	53	30	78	55	72	54	86	65	82	66	86	5.8	86	54	69	41	70	36	41	26
12	14 -	-3	34	10	56	34	73	48	64	36	90	68	96	70	89	63	94	54	74	39	68	38	38	15
13	15	8	23	4	68	34	62	40	81	44	87	64	80	64	93	66	87	52	66	47	68	42	39	23
14		-2	35	22	46	38	68	31	84	54	81	65	78	60	88	65	77	54	78	46	67	42	36	31
15	10 -	-4	41	22	38	30	82	44	85	58	87	65	85	62	82	62	71	51	79	46	70	38	40	32
16	23 1	10	46	34	44	28	70	51	84	56	89	64	91	62	89	61	61	45	80	55	64	57	36	15
17		11	56	32	54	30	74	48	82	63	88	68	90	66	89	60	66	46	78	58	58	40	25	15
18	17	2	46	38	52	26	70	56	63	49	82	65	85	68	92	62	50	46	74	62	40	30	52	18
19		-7	46	29	32	22	80	56	61	46	96	74	78	57	88	70	66	40	69	49	46	26	38	26
20	37	8	29	25	49	22	76	46	69	44	86	65	89	58	81	68	78	38	54	48	58	38	33	24
21		24	26	22	38	30	66	44	64	52	86	60	90	65	86	68	74	48	56	50	38	20	30	21
22		15	24	21	30	20	59	42	63	57	89	65	85	62	92	64	64	46	55	49	34	26	37	29
23		14	31	16	29	17	65	39	80	60	90	61	83	65	94	68	68	34	60	52	34	30	52	35
24		20	33	10	30	14	67	40	53	49	99	68	84	57	84	62	69	38	66	52	40	31	38	28
25	46	12	36	19	35	26	63	45	64	47	89	68	75	60	92	57	61	50	78	50	44	33	44	29
26	17	4	35	28	39	32	56	43	64	44	98	71	77	53	79	54	89	56	72	58	44	32	36	14
27	20	0	35	23	69	38	58	44	66	40	96	76	82	56	76	45	92	68	64	40	35	26	20	10
28	20	8	30	16	56	32	56	36	70	43	96	72	74	56	82	48	82	60	60	34	34	30	39	9
29		18			58	36	62	32	76	46	94	66	75	51	85	53	90	56	40	37	31	20	34	27
30 31	18 11	5			78 80	36 43	68	47	69 83	52 58	82	64	72 84	45	86	55	88	70	44	34	29	20	33	22
														50	90	62			52	27			43	21
AV.	24	7	30			26		40		48		64	83	61	85		80		68	47		31	36	24
MEAN	15.2		22		35			. 0	58			-1		. 3		- 8		-1		7.1		. 0		.0
STA AV	28	10	34	15	46	24	61	38	73	51	81	60	86	65	82	60	74	52	64	42	47	28	34	18

NOTES: Temperature data taken from hygrothermograph charts. The recording period is from 0001 to 2400 for the date shown. STA AV based on 7 yr record period.

1971	t D.	AILY PREC	IPITATION	(inches)				REYNOR, I	OWA WATER	SBED 3		
Day	Jan	Peb	Sar	Apr	дау	Jun	Jul	Δug	Sep	0ct	Nov	Dec
1	0.0	00	0.02	0.0	0.0	0.0	0.0	0.0	0.25	0.0	1.65	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.27	0.0	0.0
3	0.91	0.0	0.0	0.0	0.0	0.0	0.26	0.64	0.0	0.0	0_0	0-0
4	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.20	0.05	0.0	0.0	0.0
5	0.0	0.0	0.05	0.0	0.22	0.14	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	1.59	0.14	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0_0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.04	0.0	0.0
8	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.09	0.1
9	0.0	0.0	0.0	0_0	0.33	0.69	0.72	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	3.88	0.16	0.44	0.0	0.0	0.0	0.0	0.0
11	0.0	0.01	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.01	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0
16	0.0	0.0	0.0	0.06	0.03	0.0	0.0	0.0	0.0	0.0	0.43	0.0
17	0.0	0.0	0.0	0.07	0.54	0.0	0.03	0.0	0.0	0.0	1.10	0.0
18	0.0	0.52	0.0	0.0	1.95	0.26	0.04	0.0	0_0	0.54	0.0	0.0
19	0.0	0.18	0.0	0.0	0.10	0.0	0.0	0.14	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0
21	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.25	0.02	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0
23	0_0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.14	0.0
24	0.0	0.0	0_0	0.0	0.04	0.0	0.0	0.02	0.10	0.0	0.0	0.0
25	0.0	0.0	0.10	0.0	0.0	0.0	0.02	0.0	0.26	0.0	0.0	0.0
26	0.0	0.02	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.09	0.10	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.87	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.0
29	0.05		0.0	0.0	0.0	1.54	0.0	0.0	0.06	2.02	0.0	0.6
30	0.0		0.0	0.11	0.29	0.18	0.0	0_0	0.0	0.92	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
AL	0.96	1.14	0.20	1.06	9.56	3.44	1.53	1.51	0.72	4.80	3.91	0.8
ÄΨ	0.53	0.61	0.85	3 16	4. 63	6-42	3.39	3.20	3.93	3.05	1.15	0.8

NOTES: Daily precipitation amounts are arithmetic average values from stations 113 and 114 before April 1 and after Bovember 1; Thiessen weighted average values from rain gages 112, 113 and 114 for remainder of year. STA AV based on B yr record period.

197	11	MEAN DAILY	DISCHARG					REYHOR, I	OWA WATER	SHED 3		
Da y	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.022	0.031	0.058	0.033	0.026	0.079	0.052	0.032	0.024	0.013	0.106	0.027
2	0.022	0.027	0.046	0.033	0.025	0.078	0.050	0.030	0.018	0.018	0.030	0.027
3	0.022	0.024	0.046	0.033	0.027	0.076	0.054	0.042	0.017	0.016	0.027	0.027
43	0.022	0.022	0.201	0.033	0.026	0.074	0.049	0.037	0.017	0.015	0.027	0.027
5	0.022	0.922	0.238	0.033	0.030	0.080	0.049	0.030	0.016	0.014	0.027	0.027
6	0.022	0.022	0.128	0.030	0.053	0.077	0.048	0.030	0.017	0.013	0.027	0.027
7	0.022	0.022	0.060	0.027	0.045	0.076	0.047	0.031	0.015	0.013	0.027	0.027
8	0.022	0.019	0.110	0.027	0.036	0.073	0.045	0.039	0.017	0.915	0.027	0.027
9	0.022	0.917	0.253	0.027	0.037	0.084	0.058	0.029	0.016	0.016	0.027	0.027
10	0-022	0.017	0.539	0.027	1.804	0.081	0.056	0.025	0.015	0.015	0.027	0.027
11	0.022	0.168	0.369	0.027	0-171	0.071	0.048	0.025	0.016	0.014	0.027	0.027
12	0.022	0.063	0.118	0.027	0.090	0.071	0.047	0.026	0.014	0.016	0.027	0.02
13	0-022	0.026	0-084	0.027	0-077	0.069	0.045	0.023	0.016	0.017	0.027	0.02
14	0.019	0.022	0.058	0.027	0.073	0.073	0.046	0.025	0.016	0.017	0.027	0.027
15	0.017	0.208	0.055	0.027	0.073	0.059	0.042	0.027	0.016	0.017	0.024	0.02
16	0-017	0.313	0.053	0.029	0.069	0.069	0.041	0.025	0.016	0.015	0.028	0.02
17	0.017	0.275	0.050	0.030	0.082	0.068	0.039	0.023	0.016	0.014	0.052	0.02
18	0.017	1-009	0.047	0.028	0.451	0.071	0.040	0.023	0.017	0.024	0.028	0.027
19	0.017	0.243	0.051	0.027	0.121	0.065	0-038	0.027	0.016	0.016	0.027	0.02
20	0.017	0.055	0.057	0.037	0.099	0.062	0.039	0.029	0.017	0.017	0.027	0.027
21	0.020	0.041	0.062	0.027	0.094	0.068	0.036	0.027	0.016	0.017	0.027	0.02
22	0.017	0.039	0.058	0-027	0.094	0-071	0.038	0.023	0-017	0.017	0.027	0.02
23	0.019	0.039	0.057	0.027	0.092	0.068	0.038	0.023	0.017	0.017	0.028	0.02
24	0.020	0.039	0.051	0.027	0.090	0.062	0.037	0.023	0.016	0.017	0.027	0.027
≠25	0.038	0.039	0.043	0.027	0.083	0.062	0.039	0.023	0.020	0.017	0.027	0.027
26	0-027	0.060	0.039	0.028	0.079	0.060	0.036	0.023	0.016	0.017	0.029	0.027
27	0.027	0.212	0.037	0.028	0.079	0.059	0.036	0.023	0.016	0.028	0.027	0.027
28	0.027	0.096	0-034	0-027	0.078	0.054	0.034	0.022	0.016	0.017	0.027	0.027
29	0.086		0.034	0.025	0.079	0.086	0.031	0.020	0.017	0.130	0.027	0.163
30	0.048		0.034	0.027	0.085	0.066	0.035	0.020	0.014	0.064	0.027	0.042
31	0.033		0.031		0.080		0.031	0.020		0.024		0.038
AN	0.0248	0.1133	01001	0.0287	0.1403	0.0707	0.0426	0.0265	0.0167	0.0220	0.0306	0.032
CHES	0.171	0.705	0-690	0.192	0.967	0.472	0.294	0.183	0.111	0.152	0.204	0.22
A AV	0.259	0.541	0.525	0.305	0.393	0.760	0.352	0.247	0.271	0.326	0.226	0.21

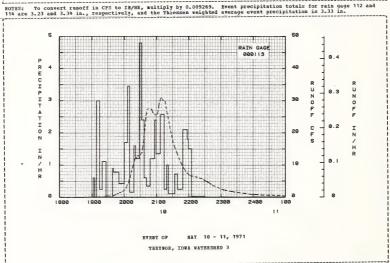
NOTES: To convert mean daily discharge in CPS to IN/DAY, multiply by 0.22245. STA AV based on 8 yr record period.

1 SEL	ECTED RUNO	PP EVENT				18518	OR, IOWA	WALDESED		
	ENT CONDI	TIONS	Dako	RA:	INFALL	ACC.	Date	RUNOF	P Rate	Acc.
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	(inches)	Mo-Day	of Day	(cfs)	(inches)
			EVE	NT OF	MAY 10 -	11, 1971				
2	G 000113			RG 000						
5-10	0.57	0.014	5-10	1902	0.0	0.0	5-10	1845	0.047	0.0
				1905 1908	0.6000	0.03		1907	0.047	0.0002
				1914	3.0003	0.33 0.35		1912 1913	0.094	0.0002
ATERSHED	CONDITIONS	:								
W Dormano	nt brose a	race		1926 1938	1.1144 0.0	0.48 0.48		1914 1915	0.147 0.055	0.0002
weekly r	otation, 8	in-		1940	0.9002	0.51		1921	0.059	0.0003
11, 70% c	derately q otation, 8 anopy; 4% armstead.	gravel		1950 2000	0.7800	0-64 J-71		1923 1925	0.252 0.296	0.0003
				2006	1,7002	0.88		1927	0.369	0.0005
				2010	3.4500	1.11		1929	0.395	0.0006
				2018 2021	0.1500 1.5999	1.13		1938 1941	0.395 0.515	0.0011
				2028	1.2000	1.35		1942	0.673	0.0014
				2032	4.8001	1-67		1945	0.859	0.0018
				2037 2041	2.4001 0.6000	1.87		1949	1.050 1.175	0.0021
				2048 2056	0.3429	1.95		1951	1-440	0.0028
				2059 2107	2.3999 1.3500	2.23		1957 1958	1.700 1.881	0.0042
				2114 2119	2.5714 0.2400	2.71 2.73		1959	2.161	0.0048
				2122	1.0002	2.78		2003	2.711	0.0063
				2134	0 1000	2.80		2004	3.191	0.0068
				2139	0.7200	2.86 2.90		2005 2006	3.522 3.751	0.0073
				2157 2159	2.1000 1.8004	3.18 3.24		2008 2009	4.317 5.572	0.0092
				2205 2230	1.4999 0.0240	3.39 3.40		2011 2012	6.107 6.942	0.0118
								2013	7.812 8.332	0.0139 0.0151
								2016	9.483	0.0179
								2018	10.484	0.0210
								2020 2023	11.921	0.0245
								2025	12.822	0.0340
								2027	12.934	0.0380
								2030	13. 190 13. 955	0.0441
								2034	14.975	0.0527
								2035 2036	16.211 17.805	0.0551 0.0577
								2038	21.247	0.0638
								2040	23.998	0.0708
								2042	25.798 27.319	0.0787
								2045	27.509	0.0914
								2051 2053	27.319 26.179	0.1168 0.1251
								2056	25.798	0.1371
								2059 2101	25.418 25.798	0.1490 0.1569
								2103	26.938	0.1650
								2104	28.079	0.1693
								2105 2107	29.255 30.500	0.1737 0.1829
								2109	30.915	0.1924
								2111	30.500 30.085	0.2019
								2116	29,670	0.2251
								2119 2121	26.559 25.038	0.2381
								2126	20.612	0.2636
								2129	18.386	0.2726
								2133 2138	15.775 13.699	0.2832 0.2946
								2143	11.584	0.3044
								2146 2151	10.484 8.883	0.3095 0.3170
								2154	8. 158	0.3210
								2157	7.467 6.792	0.3246

to.

NOTES: To convert runoff in CPS to IN/ME, multiply by 0.009269. Event precipitation totals for rain gage 112 and 114 are 3.23 and 3.34 in., respectively, and the Thiessen weighted average event precipitation is 3.33 in.

SEI	LECTED RUNO									
ARTECE	DENT COMDI	PIONS		RAI	CHPALL			RUNOP	Pate	Acc.
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	of Day	Intensity (in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			EVENT OF	BAT	10 - 11,	1971 (CO	BITHUED			
							5-10	2203		0.3311
							5	2213	6.257	0.3411
								2216	6.182	0.3440
								2221	5.877	0.3487
								2224	5.721	0.3514
								2227	5.422	0.3540
								2229	5.171	0.3556
								2230	5, 112	0.3564
								2233	4.807	0.3587
								2234	4.744	0.3594
								2237	4.442	0.3615
								2238	4.379	0.3622
								2242	3.971	0.3648
								2244	3.694	0.3660
								2246	3.522	0.3671
								2247	3.412	0.3676
								2249	3.301	0.3686
								2254	2.901	0.3710
								2257	2.711	0.3723
								2304	2.251	0.3750
								2244	1.960	0.3773
								2311 2318	1.771	0.3773
								2318		0.3793
										0.3813
								2336	1.290	0.3835
								2343	1.100	0. 3848
								2347	1.050	0.3855
								2354	0.859	0.3865
								2400	0.732	0.3872
							5-11	2	0.732	0.3874
								9	0.693	0.3882
								16		0.3889
								31		0.3902
								46	0.452	0.3913
								55	0-424	0.3919
								130	0.274	0.3938
								200	0.233	0.3950
								315		0.3976



TREYBOR, IOWA WATERSHED 4

LOCATION: Pottawattamic County, Iowa; approximately 3 miles southwest of Treymor; Silver Creek, West Wishnabotna River, Missouri River Basin.

AREA: 150.00 acres

BO	NTHL	PRECIP	ITATION	AND PUNC	FF (inche	s)			TRETNOR	, IOWA	WATERSH	ED 4			
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Annual
	Р	0.88	1.07	0.20	1.10	9.57	3.46	1.60		0.83	4.83	3.86	0.91		30.01
1971	Q	0.246	0.326	0.529	0.413	1-647	0.805	0.545	0.505	0.310	0.270	0.274	0.3	16	6.186
STA AV	P	0.51	0.60	0.84	3.17	4.60	6.50	3.41	3.23	4.26	3.17	1. 16	0.82	2 :	32.27
	Q	0.390	0.413	0.603	0.468	0.678	1.017	0.799	0.547	0.524	0.510	0.459	0.42	27	6.833
							TODOLL		r (rmone	D) 101	SELECTE	0 1105	TMIERAL	Tra	
		Haxin Discha Date 1	arge	1 Hour	2		aximum	Volume for	Selecte	d Time	Interva	 1	ys	8	Days Vol.
1971		Discha	arge Rate	1 Hour	2 1. Date	Hours Vol.	aximum 6 Ho Date	Volume for	Selecte Hours	d Time 1 Date	Interval Day Vol.	1 2 Da Date	ys Vol.	8 Date	Vol.
1971		Discha Date 1	arge Rate	1 Hour	2 1. Date	Hours Vol.	aximum 6 Ho Date 5-10	Volume for urs 12 Vol. Dat	Selecte Hours te Vol.	d Time 1 Date	Interval Day Vol.	1 2 Da Date	ys Vol.	8 Date	Vol.

NOTES: Watershed conditions: 82% contoured corn above level terraces which have a capacity of 2 inches of runoff; 7% contoured corn below the bottom terraces; 10% grassed terrace backslopes; 1% gally. Precipitation from rain gage tation records began February 27, 1964 inches 10% grassed terrace backslopes; 1% gally. Precipitation from rain gage tation records began February 27, 1964 inches 10% grassed and included in average. For daily air temperature, in the vicinity, see table for Natershed 3 (71.03). Por topographic map of watershed, see Hightologic Data for Experimental Agricultural Natersheds in the United States, 1965, USDA Misc. Pub. 1194, p. 71.4-4. For long-time precipitation records, see National Weather Service records at Osaba, Mebraska.

197	1 D.	AILY PREC	IPITATION	(inches)			T	REYNOR, I	DWA WATER	SHED 4		
Day	Jan	Peb	Har	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Bov	Dec
1	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.35	0.0	1.64	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.23	0.0	0.0
3	0.83	0.0	0.0	0.0	0.0	0.0	0.25	0.74	0.0	0.0	0.0	0.01
4	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.32	0.05	0.0	0.0	0.05
5	0.0	0.0	0.06	0.0	0.28	0.16	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	1.54	0.12	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.04	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.08	0.12
9	0.0	0.0	0.0	0.0	0.33	0.70	0.82	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	3.84	0.13	0.43	0.0	0.0	0.0	0.0	0.0
11	0.0	0.02	0.0	0.0	0.04	0.0	0.01	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
16	0.0	0.0	0.0	0.07	0.03	0.0	0.0	0.0	0.0	0.0	0.35	0.0
17	0.0	0.0	0.0	0.05	0.58	0.0	0.02	0.0	0.0	0.0	1.16	0.0
18	0.0	0.47	0.0	0.0	1.93	0.25	0.05	0.0	0.0	0.55	0.0	0.0
19	0.0	0.17	0.0	0.0	0.12	0.0	0.0	0.17	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.22	0.02	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.13	0.0
24	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.02	0.10	0.0	0.0	0.0
25	0.0	0.0	0.09	0.0	0.0	0.0	0.02	0.0	0.27	0.0	0.0	0.0
26	0.0	0.02	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.10	0.10	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.05
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 - C	0.0	0.40	0.0
29	0.05		0.0	0.0	0.0	1.56	0.0	00	0.06	2.06	0.0	0.63
30	0.0		0.0	0.12	0.31	0.22	0.0	0.0	0.0	0.96	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
OTAL	0.88	1.07	0.20	1.10	9.57	3.46	160	1.70	0.83	4.83	3.86	0.91
TA AV	0.51	0.60	0.84	3.17	4.60	6.50	3.41	3.23	4.26	3.17	1.16	0.82

NOTES: Daily precipitation amounts are Thiessen weighted average values from stations 111, 112 and 113 for period of April 1 through Movember 1, and from 113 for remainder of year. STA AV based on 8 yr record period.

197	71	BEAN DAIL	Y DISCHAR	GE (cfs)			T	REYNOR, I	DWA WATER	SHED 4		
Day	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.069	0.039	0.073	0.094	0.081	0.233	0.116	0.107	0.090	0.054	0.090	0.06
2	0.064	0.039	0.074	0.094	0.077	0.233	0.114	0.111	0.078	0.056	0.065	0.06
3	0.064	0.039	0.074	0.094	0.081	0.218	0.119	0.124	0.073	0.054	0.056	0.06
4	0.059	0.039	0.082	0.094	0.083	0_215	0.114	0.117	0.073	0.054	0.054	0.06
5	0.054	0.039	0.101	0.094	0.087	0.218	0.114	0.115	0.073	0.050	0.054	0.06
6	0.054	0.039	0.101	0.094	0.220	0.216	0.109	0.110	0.073	0.050	0.054	0.06
7	0.054	0.039	0.094	0.094	0.149	0.215	0.109	0.110	0.073	0.054	0.054	0.06
8	0.050	0.036	0_094	0.094	0.097	0.215	0.106	0.108	0.073	0.054	0.055	0.06
9	0.047	0.033	0.112	0.091	0.105	0.208	0.123	0.107	0.073	0.054	0.054	0.06
10	0.047	0.033	0.187	0.085	2.797	0.183	0.118	0.104	0.073	0.054	0.054	0.06
11	0.047	0.043	0.192	0.086	0.368	0.170	0.106	0.104	0.073	0.054	0.054	0.06
12	0.047	0.052	0.136	0.083	0.295	0.163	0.105	0.104	0.073	0.054	0.054	0.06
13	0.047	0.043	0.127	0.083	0.295	0.163	0.106	0.104	0.068	0.054	0.054	0.06
14	0.047	0.039	0.124	0.083	0.283	0.163	0.112	0_104	0.064	0.050	0.054	0.06
15	0.047	0.078	0.113	0.083	0.260	0.156	0.107	0.104	0.064	0.054	0.054	0.06
16	0.047	0.124	0.110	0.083	0.250	0.155	0.107	0.104	0.064	0.054	0.058	0.06
17	0.047	0.125	0.110	0.083	0.249	0.151	0.108	0.100	0.064	0.054	0.079	0.06
18	0.047	0.311	0.110	0.083	0.508	0.153	0.108	0.104	0.064	0.058	0.063	0.06
19	0.047	0.232	0.108	0.083	0.472	0.146	0.105	0.110	0.064	0.050	0.056	0.06
20	0.047	0.076	0.104	0.093	0.414	0.143	0.111	0.107	0.059	0.049	0.054	0.06
21	0.054	0.068	0.104	0.083	0.381	0.144	0.110	0.099	0.054	0.054	0.054	0.06
22	0.051	0.064	0.104	0.083	0.355	0.147	0.111	0.094	0.054	0.054	0.054	0.06
23	0.049	0.064	0.104	0.083	0.342	0.139	0.112	0.094	0.054	0.054	0.054	0.06
24	0.053	0.064	0_104	0.083	0.312	0.137	0.115	0.094	0.054	0.054	0.054	0.06
25	0.053	0.071	0.104	0.083	0.291	0.137	0.105	0.094	0.061	0.054	0.054	0.06
26	0.047	0.079	0.104	0.083	0.279	0.127	0.104	0.094	0.054	0.049	0.054	0.06
27	0.043	0.073	0.102	0.083	0.268	0.123	0.107	0.094	0.054	0.058	0.054	0.06
28	0.039	0.073	0.097	0.083	0.256	0-120	0.113	0-094	0.054	0.047	0.054	0.06
29	0.045		0.094	0.083	0.246	0.144	0.116	0.094	0.055	0.081	0.059	0.06
30	0.048		0.094	0.082	0.245	0.138	0.114	0.088	0.052	0.075	0.064	0.06
31	0.039		0.094		0.234		0.110	0.083		0.054		0.06
KA	0.0501	0.0734	0.1075	0.0867	0.3349	0.1691	0.1109	0.1026	0.0652	0.0548	0.0575	0.06
CHES	0.246	0.326	0.529	0.413	1,647	0.805	0.545	0.505	0.310	0.270	0.274	0.3
A AV	0.390	0.413	0.603	0.468	0.678	1.017	0.799	0.547	0.524	0.510	0.459	0_4

NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.15868. STA AV based on 8 yr record period.

1 SE		P EVENT					on, rosa	WATERSHED		
ANTECE	DENT CONDIS				INPALL			RUNOF	P	
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date No-Day	Time of Day	Intensity (in/hr)		Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			pan	NT OF	MAY 10 -	11 1971				
			212			11, 1571				
	RG 000113			RG 000						
5-10	0.57	0.030	5-10	1902	0.0	0.0	5~10	1911	0.104	0.0
				1905	0.6000	0.03		1912	0.147	0.0
				1908	0.0	0.03		1913	0. 197	0.0
				1914	3.0003	0.33		1915	0.233	0.0
				1919	0.2400	0.35		1918	0.233	0.0001
	CONDITIONS:							40.40		
	red corn abo			1926	1.1144	0.48		1919	0.215	0.0001
	aces; 7% con			1938	0.0	0.48		1925	0-215	0.0002
	level terra			1940	0.9002	0.51		1927	0.233	0.0002
	n. tall, 5%			1950	0.7800	0.64		1928	0.452	0.0002
	ed by stalk			2000	0.4200	0.71		1929	1. 101	0.0003
% grasse	d terrace ba	ck								
opes, br	ome grass 8	in tall;		2006	1. 7002	0.88		1930	1.841	0.0005
	tion areas a			2010	3.4500	1.11		1931	2.208	0.0007
vel terr	aces are wat	er		2018	0.1500	1.13		1932	2.626	0.0010
	th some term			2021	1.5999	1.21		1933	2.901	0.0013
illing o	ver: 1% gull	lies.		2028	1.2000	1.35		1934	3.206	0.0016
				2032	4.8001	1.67		1935	3.828	0.0020
				2037	2-4001	1.87		1936	4.642	0.0025
				2041	0.6000	1.91		1937	5.466	0.0031
				2048	0.3429	1.95		1938	5.820	0.0037
				2056	1.2000	2.11		1941	5.820	0.0056
				2059	2,3999	2.23		1943	5.602	0.0069
				2107	1.3500	2.41		1945	5. 192	0.0081
				2114	2-5714	2.71		1948	4.571	0.0097
				2119	0-2400	2.73		1951	4.117	0.0111
				2122	1.0002	2.78		1953	3.771	0.0120
				2134	01000	2.80		1955	3.662	0.0128
				2139	0.7200	2.86		1957	3.662	0.0136
				2149	0.2400	2.90		1958	4.001	0.0140
				2157	2.1000	3.18		1959	4.642	0.0145
				2159	1.8004	3.24		2000	5, 192	0.0150

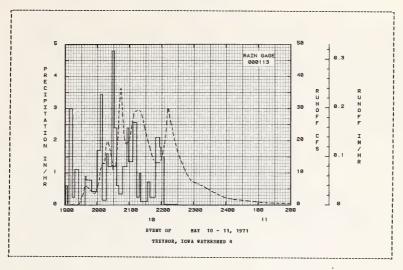
NOTES: To convert runoff in CFS to IN/HB, multiply by 0.00661. Event precipitation totals for rain gages 111 and 112 are 3.16 and 3.23 in., respectively and the Thiessen average event precipitation is 3.25 in.

	LECTED RUNOR						NOR, IOWA			
Date Mo-Day	DBMT COMDIS Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	NFALL Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	HAY		1971 (COX				
			5-10	2205 2230	1.4999 0.0240	3.39 3.40	5-10	2001 2002 2003 2004 2005	5.602 6.182 6.399 7.053 8.583	0.0156 0.0162 0.0169 0.0176 0.0185
								2006 2007 2008 2009 2010	10.153 10.994 11.714 12.194 12.675	0.0195 0.0207 0.0220 0.0233 0.0247
								2011 2014 2015 2016 2017	12.914 12.914 13.935 16.326 18.037	0.0261 0.0304 0.0319 0.0336 0.0355
								2018 2019 2021 2023 2024	18.936 19.596 19.596 18.321 17.466	0.0375 0.0396 0.0439 0.0481 0.0501
								2025 2026 2028 2029 2030	16.896 15.756 14.195 13.154 10.994	0.0520 0.0538 0.0571 0.0586 0.0599
								2031 2033 2035 2036 2037	12.194 11.953 11.953 13.414 15.756	0.0612 0.0639 0.0665 0.0679 0.0695
								2038 2039 2040 2041 2042	18.037 20.587 24.068 29.409 31.525	0.0714 0.0735 0.0760 0.0789 0.0823
								2043 2044 2045 2046 2047	33.641 36.392 35.932 33.641 31.100	0.0859 0.0897 0.0937 0.0975 0.1011
								2048 2049 2050 2052 2054	27.459 25.508 22.267 20.257 19.266	0.1043 0.1072 0.1098 0.1145 0.1189
								2055 2057 2059 2101 2103	18.936 19.266 19.927 20.587 22.267	0.1210 0.1252 0.1295 0.1340 0.1387
								2105 2108 2109 2112 2115	24.788 27.655 28.630 29.214 29.409	0.1439 0.1526 0.1557 0.1653 0.1750
								2119 2122 2123 2125 2128	29.409 29.019 28.240 27.069 24.788	0-1880 0-1976 0-2008 0-2069 0-2155
								2130 2133 2135 2138 2140	23,347 21,248 19,927 18,321 16,896	0-2208 0-2281 0-2327 0-2390 0-2429
								2142 2145 2146 2149 2157	15.756 14.195 13.935 13.154 13.154	0.2465 0.2515 0.2530 0.2575 0.2691
								2200 2203 2205 2206 2207	14.195 16.326 18.607 18.936 20.257	0.2736 0.2786 0.2825 0.2846 0.2868

NOTES: To convert runoff in CFS to IM/MB, multiply by 0.00661. Event precipitation totals for rain gages 111 and 112 are 3.16 and 3.23 in., respectively and the Thiessen average event precipitation is 3.25 in.

	ECTED RUNO					TREI	HOK, TOWA	WATERSHED		
ANTECED	ENT CONDI	CIONS		RAI	NPALL			RUNOF	P	
Date	Rainfall	Runoff	Date Ho-Day	Time	Intensity	Acc.	Date	Time	Rate	Acc.
по-рау	(inches)	(inches)	по-рау	or Day	(1B/hr)	(inches)	no-Day	or Day	(cts)	(inches)
			EVENT OF	HAY	10 - 11,	1971 (CO	NTINUED)			
							5-10	2208	21.907	0.2891 0.2916 0.2943 0.2973 0.3006
								2209	23.347	0.2916
								2210	26.289	0.2943
								2211	28.630	0.2973
								2212	29,836	0.3006
								2213	29.836	0.3039
								2214	29.019	0.3071
								2215	27.850	0.3103
								2217	25.899	0.3162
								2219	27.850 25.899 24.788	0.3218
								2220	24.068	0.3245
								2222	22, 267	0.3296
								2225	19.927	0.3366
								2228	18.321	0.3429
								2230	16.896	0.3468
								2235	14,455	0.3554
								2237	13.675	0-3585
								2240	12.675	0.3629
									11.714	0-3656
								2245	10.554	
								2248	9.553	0 3726
								2250		0.3746
								2253		0.3774
								2255	7.563	
								2303		0.3855
								2305	6.762	0.3870
								2308	6,617	0.3892
								2310		0.3906
								2313	6.182	0.3927
								2316	6.036	0.3947
								2323	5.332	0.3991
								2330	4.642	0.4029
								2335	4.117	0-4053
								2340	3.771	0.4075
								2344		0.4091
								2349	2.996	0.4109
								2355	2.530	0.4127
								2400	2.255	0.4140
							5-11	7		0.4156
								12	1.841	0.4166
								14	1.735	0-4170
								20	1.630	0.4181
								28	1.500	0.4195
								41	1.260	0.4181 0.4195 0.4215 0.4230
								53	1.050	0.4230
								109	0.731	0.4246 0.4261 0.4273 0.4284 0.4290
								130	0.581	0.4261
								150	0.514	0.4273
								210	0.452	0.4284
								223	0.452	0.4290
								233	0.423	0.4295 0.4305

NOTES: To convert runoff in CFS to IB/BB, multiply by 0.00661. Event precipitation totals for rain gages 111 and 112 are 3.16 and 3.23 in., respectively and the Thiessen average event precipitation is 3.25 in.



TREYBOR, IOWA WATERSHED 5

LOCATION: Pottawattamic County, Towa; approximately 9 miles southeast of Treynor and 3 miles southwest of Macedonia; West Nishnahotna Biver, Missouri Biver Basin.

AREA: 389.00 acres

HO	NTBL	PRECIP	ROILVI	AND RUNOI	P (inche:	s)			TREYNO	R, IOWA	WATERSH	BD 5		
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	0ct	Nov	Dec	Annual
1971	P Q	0.75 0.144	1.50 0.699	0.34 0.561	1.11 0.328	6.45 0.880	2.97 0.470	1.92 0.340	0.75 0.190	0.57 0.094	5.06 0.147	4.09 0.211	1.09 0.158	26.60 4.221
VA AT	P Q	0.50 0.254	0.64 0.396	1.10 0.571	3.06 0.338	3.62 0.396	6.07 1.013	3.19 0.502	3.30 0.308	3.86 0.398	2.76 0.298	1.27	0.91 0.246	30.28 4.992
	ANN			CHARGE (i	hr) AND								IBTERVAL	
		Maxi Disch Date	arge	1 Hour Date Vol				urs	or Select 12 Hours ate Vol.	1				8 Days te Vol.
1971		5-18	0.149	5-18 0.	99 5-18	0.137	5-18	0.173 5	-18 0.19	0 2-18	0.276	2-17	0.399 2-	16 0.525
						HAXIHUHS	FOR PR	RIOD OF	RECORD					
		6-20 1967	1. 250	6-20 0.4 1967	890 6-20 1967		6-20 1967		-20 1.57 967	5 6-20 1967	1.636	6-20 1967		20 2.460

BGTES: Watershed conditions: Percent crop distribution of area above or below level terraces, respectively is:
corm, 30 and 3; beans, 23 and 1; small grain, 9 and 2; hay and clover, 6 and 0; pasture, 12 and 8; and roads and
108; Thicesen average of seven recording rain gages for remainder of year. Precipitation and runoff records began
February 6, 1963. January 1 to February 6, 1963 precipitation and runoff estimated and included in average. For
daily air temperature, in the vicinity, see table for Watershed 3 (71.003). For topographs map of watershed, see
Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, 053A misc. Pub. 1194, p. 71.5-6.
For long-time precipitation records, see Mational Weather Service records at Omaha, Molerat Omaha, Pub. 1994, p. 71.5-6.

1971	DI	ILY PRECI	HOLTATION	(inches)			TI	BETNOR, I	WA WATER:	SHED 5		
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul	λug	Sep	0ct	Bov	Dec
1	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.57	0.0
2	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	013	0_0	0.0
3	0.62	0.0	0.0	0.0	0.0	0.0	0.33	0.10	0.0	0.0	0.0	0.0
4	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.17	0.08	0.0	0.0	0.09
5	0.0	0.0	0.04	0.0	0.12	0.07	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.78	0.36	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	00	0.56	0.0	0_0	0.0	0.0	0.05	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.09
9	0_0	0.0	0.0	0.0	0.18	0.29	0.86	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	139	0.05	0.45	0.0	0.0	0.0	0_0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.01	0_0	0.0	0.0	0.0	0_0	0.0
14	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
16	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.0
17	0.0	0.0	0_0	0.03	0.55	0.0	0.02	0.0	0.0	0.0	1.09	0.0
18	00	0.87	0.0	0.0	2.23	0.37	0.03	0.0	0.0	0.80	0.0	0.0
19	0.0	0.18	0.0	0.0	0.07	0.0	0.0	0.19	0_0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.15	0.0	0.19	0.0	0.0
21	0.0	0-05	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.29	0.02	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.18	0.0
. 24	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.06	0.12	0.0	0.0	0.0
25	0.0	0.0	0.10	0.0	0.0	0.0	0.08	0.0	0.29	0.0	0.0	0.0
26	0.0	0.04	0.0	0_11	0.0	0.0	0.0	0.0	0.0	0.09	0.13	0.0
27	0.0	0.0	0.0	0.14	0.0	0.0	0.15	0.0	0.0	0.94	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0
29	0.05		0.0	0.0	0.0	1.55	0.0	0.0	0.0	1.88	0.0	0.82
30	0.0		0.0	0.12	0.28	0.27	0.0	0.0	0.0	0.92	0.0	0.02
31	0.0		0.0		0.0	-	0.0	0.0		0.0		0.0
TOTAL	0.75	1.50	0.34	1. 11	6.45	2.97	1.92	0.75	0.57	5,06	4.09	1.09
STA AV	0.50	0.64	1 10	3.06	3,62	6.07	3, 19	3.30	3.86	2.76	1.27	0.91

ROTES: Daily precipitation amounts are Thiessen weighted average values from seven stations (101 through 107) for period of April 1 through Movember 2 and are arithmetic averages from stations 101 and 108 for remainder of the year. STA at leased on 9 yr record period.

197	11	HEAR DAIL	DISCHAR	GE (cfs)			T	REYNOR, I	DWA WATER	SHED 5		
Day	Jan	Peb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	NOA	Dec
1	0.094	0.041	0.258	0.181	0.238	0.333	0.192	0.130	0.066	0.039	0.626	0.086
2	0.098	0.035	0.271	0.172	0.231	0.340	0.178	0.140	0.053	0.046	0.157	0.091
3	0.095	0.043	0.264	0.175	0.212	0.319	0.240	0.159	0.053	0.035	0.029	0.094
4	0.064	0.057	0.446	0.169	0.211	0.315	0.200	0.181	0.059	0.035	0.086	0.093
5	0.030	0.059	0.448	0.168	0.220	0.312	0.200	0.150	0.049	0.038	0.075	0.090
6	0.022	0.059	0.335	0.178	0.403	0.332	0.206	0.139	0.049	0.036	0.071	0.086
7	0.033	0.059	0.296	0.173	0.413	0.282	0.176	0.148	0.047	0.034	0.071	0.086
8	0_041	0.059	0.312	0.165	0.181	0.264	0.160	0.139	0.050	0.039	0.081	0.078
9	0.047	0.059	0.322	0.158	0.172	0.267	0.375	0.122	0.051	0.035	0.079	0.071
10	0.046	0.059	0.437	0.147	1.060	0.309	0.327	0.102	0.059	0.035	0_074	0.071
11	0.053	0.136	0.464	0.156	0.397	0.252	0.189	0.089	0.059	0.035	0.073	0.065
12	0.055	0.075	0.419	0.165	0.277	0.242	0.178	0.100	0.059	0.035	0.071	0.053
13	0.047	0.059	0.483	0.157	0.253	0.228	0.171	0.090	0.039	0.035	0.071	0.059
14	0.058	0.059	0.403	0.160	0.225	0.246	0.187	0.086	0.034	0.035	0.065	0.087
15	0.059	0.125	0.313	0.158	0.211	0.231	0.162	0.086	0.036	0.035	0.065	0.088
16	0.059	0-234	0.269	0.193	0.199	0.210	0.154	0.092	0.039	0.035	0.161	0.065
17	0.056	0.487	0.267	0.183	0-240	0.201	0.151	0.083	0.037	0.035	0.375	0.049
18	0.053	4_406	0-275	0.188	3.674	0.270	0.154	0.082	0.043	0.121	0.108	0.073
19	0.050	2.098	0.275	0.195	0.637	0.203	0.153	0-102	0.045	0.052	0.087	0.078
20	0.047	0.346	0.251	0.250	0.506	0.182	0.151	0.097	0.056	0.052	0.086	0.071
21	0.067	0.277	0.228	0-174	0.492	0.202	0.140	0.091	0.053	0.049	0.086	0.071
22	0.083	0.282	0.216	0.157	0.466	0.197	0.159	0.078	0.055	0.047	0.086	0.071
23	0.078	0.365	0.216	0.157	0.461	0.197	0.164	0.073	0.059	0.047	0.105	0.081
24	0.101	0.281	0.216	0.158	0.445	0.192	0.163	0.069	0.059	0.047	0.104	0.071
25	0.152	0.276	0.216	0.158	0.393	0.195	0.160	0.067	0.070	0.047	0.086	0.071
26	0.115	0.476	0-237	0.174	0.374	0.180	0.156	0.067	0.059	0.049	0.103	0.059
27	0.122	0.516	0.240	0.197	0.363	0.160	0-147	0.072	0.054	0.177	0.086	0.041
28	0.122	0.391	0.201	0.210	0.352	0.167	0.143	0.067	0.047	0.071	0.094	0.046
29	0.183		0.194	0.233	0.338	0.322	0.144	0.065	0.051	0.530	0.100	0.172
30	0.148		0.198	0.247	0.351	0.534	0.140	0.069	0.040	0.415	0.086	0.211
31	0.080		0.193		0.392		0.133	0.067		0.082		0.151
EAN	0.0761	0.4078	0.2955	0.1785	0.4641	0.2562	0.1791	0.1001	0.0511	0.0775	0.1149	0.083
HCHES	0. 144	0.699	0.561	0.328	0.880	0.470	0.340	0.190	0.094	0.147	0.211	0.15
ra av	0.254	0.396	0.571	0.338	0.396	1.013	0.502	0.308	0.398	0.298	0.271	0.24

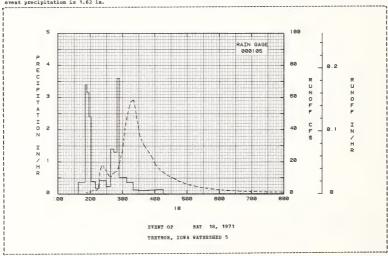
NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 0.06119. STA AV based on 9 yr record period.

71 SE	LECTED RUNO	PF BVENT					OB, IOWA	WATERSHED	5	
	DENT CONDI			EAR	NFALL			RUBCE		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)
			E	VENT OF	MAY 18	, 1971				
	RG 000105			BG 0001	105					
5-18	0-0	0.005	5-18	138	0-0	0.0	5-18	152	0.588	0_0
- 10	3.0	22003	- 10	151	0.3692	0.08		156	0.702	0.0001
				154	3.4000	0.25		200	0-973	0.0002
				158	3, 1500	0.46		202	1.310	0.0003
				202	2-4000	0.62		204	1.949	0.0004
WATERSHEE	CONDITIONS			_02	1000	02		_04		
	Watershed			210	0.3750	0-67		206	2,306	0.0006
		elow		217	0-1714	0.69		212	2. 255	0.0012
	Terraces T			230	0-4154	0.78		214	2.852	0-0014
orn	30	3		238	0-2250	0.81		216	4.985	0.0017
eans	23	1		244	1-4000	0.95		218	13.454	0.0025
mall Grai		2		244	1.4000	0.93		210	13.434	0.0025
lfalfa an		-		250	1_3000	1.08		220	16, 184	0_0038
Clover	8	0		254	3-6000	1.32		222	17-357	0_0052
asture	12	8		308	0.5143	1.44		224	17.357	0.0052
oads and	12			320	0.3500	1.51		226	16.576	0.0081
Parustea	d 1	3		330	0.1200	1.53		228	15.403	0.0095
	hts and can			330	0.1200	1. 53		228	15.403	0.0095
robs merd	n. tall. so	oba:		200	0-1000	1.56		230	44 020	0.0108
	n. tall, so			348					14.234	0.0108
				403	0.1200	1.59		234		
4 in. tal	1, 90% cano -12 in. tal	PY.		416	0.1385	1.62		236	10.834	0.0140
		T* 10-						238	10.504	0.0149
0% canopy	-							240	11.159	0.0158
								243	12.795	0.0173
								250	14.234	0.0213
								252	15.796	0.0226
								254	17.812	0.0240
								256	20.977	0.0256
								258	23,958	0.0275
								300	26.547	0.0273
								302	31.752	0.0297
								302	38.161	0.0322
								304	43, 115	0.0352
								306	43.115	0.0386

BOTES: To convert runoff in CFS to IS/HB, wultiply by 0.002545. Event precipitation totals for rain gages 101, 102, 103, 104, 106 and 107 are 1.41, 1.60, 1.62, 1.47, 1.77, 1.72 inches, respectively and the Thiessen weighted average event precipitation is 1.62 in.

SELECTE	D RUNOR	F EVENT				TREY	MOR, IOWA	WATERSHED	5	
ANTECEDENT	CONDIT	TOWS		RAI	HFALL			RUBOR	P	
Date Rai	nfall	Ruroff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
Mo-Day (in	ches)	(inches)	Ho-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)
			EVENT C	F SA	¥ 18, 197	1 (CONTII	BOED)			
							5-18	308		0-0424
								310		0.0465
								314	55.730	0.0555
								316	57.514	0.0603
								320	58,409	0.0701
								321	58_409	0.0726
								324	53.219	0.0797
								327	46.755	0.0861
								330	40.934	0.0917
								333	35.541	0.0966
								340	30.579	0.1064
								344	28.237	0.1114
								348	26.547	0.1161
								353	23.958	0.1215
								357	21.432	0.1254
								400	19.165	0.1280
								404	17.357	0.1311
								410	15.015	0.1352
								416	13,454	0.1388
								424	11.485	0.1430
								436	9.614	0.1484
								444	7-951	0.1514
								454	6.731	0.1545
								504	5,621	0. 1571
								520	4.421	0.1605
								530	3,750	0.1622
								546	3.001	0.1645
								600	2,475	0.1661
								620	1.949	0.1680
								642	1.549	0.1696
								706	1.310	0.1711
								730	1-071	0. 1723
								756	0.973	0.1734
								816	0.910	0.1742
								836	0.879	0.1750
								856	0.820	0.1757
								930	0.788	0. 1769

HOTES: To convert runoff in CTS to IE/HE, unltiply by 0.002589. Event precipitation totals for rain gages 101, 102, 103, 106 and 107 are 1.81, 1.60, 1.62, 1.87, 1.77, 1.72 inches, respectively and the Thiessen weighted average event precipitation is 1.62 in.



COTTONWOOD, SOUTH DAKOTA WATERSHED H-2

LOCATION: Jackson County, South Dakota; approximately 3 miles east southeast of Cottonwood, Bad River Basin.

APPA: 2.13 acros

ĦC	DETHLE	PRECIP	ITATION	AND RUNOF	P (inche	s)		COT	CONWOOD,	SOUTH D	AKOTA WAS	TERSHEI	H-2	
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	0.61	1.10 0.256	0.24 0.434	3.63 0.004	3.60 0.156	1.37	0.54 0.0	1.71	2.87 0.0	1.81	0.76	0.16 0.0	18.40 0.932
STA AV	P Q	0.31 0.060	0.37 0.028	0.57 0.301	2.17 0.015	2.68 0.166	3.41 0.313	1.65 0.047	1.31 0.012	1.49 0.012	0.64 0.009	0.32 0.0	0.38 0.0	15.23 0.962
	ANNU	Maxi Disch	eua	BARGE (in,			aximum	Volume fo	OFF (inch	ed Time				LS 8 Days
		Date		Date Vol		Vol.			te Vol.		Vol.	Date		Date Vol.
1971		10-17	0.244 1	0-17 0.0		0.118				6 3-10	0.329	3-10	0.363	3-5 0.434
					1	MAXIBUMS	POR PE	RIOD OF F	RECORD					
		5-30	3.577	5-30 0.6	08 5-30	0.629	5-30	1.129 5-	-30 1-12	9 5-30	1.129	3-17	1-462	3-11 1.571

norms: Watershed conditions: 1007 hearily grazed rangeland. Yepetative cover in late July was 1665 hb./acro (oven-dry weight). For map of vaterhed, see Mydclogic bata for Experisental Agricultural Natersheds in the United States, 1965, USDA Micc. Pub. 1216, p. 72.1-5. For temperature information, see table of maximum and sanimum values included for Natershed 72.005. Arithestic mean of rain gages HB-1, RB-2, RB-3 RB-3, Precipitation and runoff records began January 1963. Precipitation and runoff STA AV based on 9 yr record period. For long-time precipitation records, see National Weather Service records at Cottonwood, South Dakota.

19	171 DA	ILY PRECI	PITATION	(inches)			COTTONN	DOD, SOUT	H DAKOTA	WATERSHED	н-2	
Day	Jan	Peb	Ħar	äpr	Hay	Jun	Jul	Aug	Sep	Oct	йо▼	Ъес
1	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0
2	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
3	0.0	0.17S	0.0	0.04	0.16	0.0	0_0	0.0	0.0	0.0	0.0	0.0
4	00	0.0	0.0	0.0	0.0	0.0	0.14	0.0	2.16	0.0	0.0	0.0
5	0.0	0.028	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.15	0.07	0.0	0.0	0.0	0.0	0.035
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.13S
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0
9	0.01s	0.0	0.0	0.0	0.05	0_12	0.0	0.0	0.0	0_0	0.0	0.0
10	0.018	0.055	0.0	0.0	0.57	0.09	0.0	0.0	0.0	0.0	0.0	0.0
11	0.045	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
12	0.01S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.01S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.045	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.02	0.27S	0.0
16	0.0	0.0	0.0	0.0	0_14	0.15	0.0	0.0	0.0	0.14	0.085	0.0
17	0.175	0.0	0.108	0.23	0.0	0.0	0.09	0.0	0.0	1.10	0.0	0.0
18	0.0	0.275	0.0	0.07	0.0	0.0	0.0	0_14	0.06	0.10	0.0	0.0
19	0.0	0.0	0.0	1.94	0.0	0.0	0.0	0.0	0.0	0.0	0.025	0.0
20	0.135	0.025	0.0	0.58	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
21	0.0	0.015	0.025	0.10	0.0	0.0	0.0	0-22	0.0	0.0	0.0	0.0
22	0.0	0.0	0.035	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	1.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0_0	0.0	0.0	0.04	0.0	0.34	0.24	0.0	0.0	0.0	0.125	0.0
26	0.0	0.568	0.065	0.52	0.0	0.11	0.0	0.0	0.0	0.0	0.045	0.0
27	0.0	0.0	0.0	0.04	0.0	0.0	0_0	0_0	0.0	0_0	0.11S	0.0
28	0.0	0.0	0.035	0.0	0.0	J. 0	0.0	0.0	0.18	0.065	0.025	0.0
29	0.05S		0.0	0.05	0.50	0.11	0.0	0.0	0_0	0.025	0.035	0.0
30	0.115		0.0	0.0	0.70	0.0	0.0	1.35	0.0	0.0	0.035	0.0
31	0.07S		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.61	1.10	0.24	3.63	3.60	1.37	0.54	1.71	2.87	1.81	0.76	0.16
STA AV	0,31	0.37	0.57	2.11	2.68	3.41	1.65	1.31	1.49	0.64	0.32	0.38

NOTES: Arithmetic mean of rain gages EH-1, EH-2, EH-3 and EH-4. STA AV based on 9 yr (1963-71) record period.

197	1	MEAN DAIL	Y DISCHAR	SE (cfs)			COTTONW	DOD, SOUTH	A DAKOTA	WATERSEED	H-2	
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.011	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.001	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0
14	0.0	0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	T 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0_0	0.0	0.0	0.0		. 0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0_0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
EAN	0.0	0.0008	0.0013	0.0	0.0005	0.0	0.0	0.0	0.0	0.0002	0.0	0.0
NCHES	0.0	0.256	0.434	0.004	0.156	0.0	0.0	0.0	0.0	0.082	0.0	0.0
TA AV	0.060	0.028	0.301	0.015	0_166	0.313	0.047	0.012	0.012	0.000	0.0	0.0

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 11.1745. STA AV based on 9 yr (1963-71) record period.

COTTONWOOD, SOUTH DAKOTA WATERSHED L-2

LOCATION: Jackson County, South Dakota; approximately 3 miles east southeast of Cottonwood, Bad River Basin.

AREA: 2.38 acres

HC	HTHL	Y PRECIP	ITATION	AND RU	NOPP (inches	5)		COTTO	NWOOD, S	OUTH DAK	TA WATER	SHED L	-2		
		Jan	Peb	Ħar	λp	r	Bay	Jun	Jul	Aug	Sep	Oct	Nov	De	0	Annual
	P	0.51	0.55	0.15	3.	77	3.52	1.31	0.55	1.54	2.82	1.83	0.65	0.	12	17.32
1971	Q	0.040	0.525	0,23	2 0.	0	0_170	0.0	0.0	0.0	0.0	0.0	0.0	0.,	n	0.967
STA AV	P	0.29	0.29	0.51	2.	13	2-67	3.39	1.63	1.32	1.49	0.64	0.30	0	31	14.96
	Q	0.004	0.058	0.30	7 0.	004	0.049	0.219	0.004	0.0	0_0	0.0	0.0	0.	0	0.644
	YAN	UAL MAKI	MUM DISC	HARGE	(in/hr) AND	BURIXAB	VOLUME	S OF RUI	NOFF (in	hes) FO	SELECTE	D TIME	INTER	VALS	
	YAN	Maxi Disch Date	mum arge	HARGZ 1 Ho	ur	2 1		aximum 6 Ho	Volume i		ted Time	SELECTE Interva Day Vol.	1 2 0	INTER	8	Days Vol.
1971	ABN	Maxi Disch	mum arge Rate	1 Ho	ur Vol.	2 I	Tours	aximum 6 Hc Date	Volume i	for Selection 12 Hours	ted Time	Interva	1 2 Date	ays Vol.	8 Date	Vol.
1971	ABN	Haxi Disch Date	mum arge Rate	1 Ho	ur Vol.	2 I Date 2-11	Nours Vol.	aximum 6 Hc Date 2-11	Volume i	for Sele 12 Hour Date Vo	ted Time	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.

corps: watershed conditions: 1007 lightly grazed rampeland. Pepetative cover in late July was 3034 lbs./scrc (orem-dry weight). For sap of watershed, see Mydrologic bat for Experisental Agricultural Mytersheds in the United States, 1965, USDA Misc. Pub. 1216, p. 72.2-4. For temperature information, see table of marisum and minimum values included for watershed 72.005. Arithestic nean of rain gages H-1, KH-2, KH-3 and El-4. Precipitation and ramoff records began January 1963. Precipitation and ramoff scat My based on 9 yr record period. For long-time precipitation records, see National Weather Service records at Cottombood, Swith Babica.

1971	DA	ILY PRECI	PITATION	(inches)		С	CTTONWOOD,	SOUTH D	AROTA WAT	BRSHED L-2		
Day	Jan	Peb	Bar	Apr	May	Jun	Jal	Aag	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.34	0.0	0.0
2	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0_0	0.0
3	0.0	0.148	0.0	0.045	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0_0	2.11	0.0	0.0	0.0
5	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0
6	0.0	0.0	0_0	0.0	0.0	0.14	0.05	0.0	0.0	0.0	0.0	0.045
7	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.085
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0
9	0.01S	0.0	0.0	0.0	0.03	0.16	0.0	0.0	0.0	0.0	0.0	0.0
10	0.028	0.07S	0.0	0.0	0.51	0.10	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0
12	0.018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0
14	0.06S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.035	0.0
15	0.028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.075	0.0
16	0.145	0.0	0.0	0.0	0.13	0.15	0.0	0.0	0.0	0.12	0.225	0.0
17	0.0	0.0	0.058	0.22	0.0	0.0	0.08	0.0	0.0	1.07	0_0	0.0
18	0.0	0.195	0.0	0.06	0.0	0.0	0.0	0.14	0.06	0.11	0.0	0.0
19	0.0	0.0	0.0	1.98	0.0	0.0	0.0	0.0	00	0.0	0.02S	0_0
20	0.058	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.015	0.14	0.0	0.0	0.0	0.16	0.09	0.0	0.0	0.0
22	0.0	0.0	0.018	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	C.0
23	0.0	0.0	0.0	0.0	1.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.05	0.0	0.31	0.25	0.0	0.0	0.0	0. 10S	0.0
26	0.0	0.145	0.055	0.54	0.0	0.12	0.0	0.0	0.0	0.0	0.035	0.0
27	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.098	0.0
28	0.0	0.0	0.035	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.03S	0.0
29	0.05S		0.0	0.05	0.48	0.06	0.0	0.0	0_0	0.085	0.04S	0.0
30	0.115		0.0	0.0	0.71	0.0	0.0	1.24	0.0	0.015	0.025	0.0
31	0.045		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.51	0.55	0.15	3.77	3.52	1.31	0.55	1.54	2.82	1.83	0.65	0.12
STA AV	0.29	0.29	0.51	2.13	2.67	3.39	1.63	1.32	1.49	0.64	0.30	0.31

NOTES: Arithmetic mean of rain gages RL-1, RL-2, RL-3 and BL-4. STA AV based on 9 yr (1963-71) record period.

197	1	MEAN DAIL	Y DISCHAR	EE (cfs)		C	DITONWOOD	, SOUTH	DAKOTA WAT	EBRSHED L-	-2	
Da y	Jan	Peb	Mar	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ė,	0.0	0_0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0 - 10
9	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.028	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0_007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.3	0.0	0.014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 - D
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0:0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.004		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
A H	0_0001	0.0019	0.0007	0.0	0.0005	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHES	0.040	0.525	0.232	0.0	0.170	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A AV	0.004	0.058	0.307	0.004	0.049	0.219	0.004	0.0	0.0	0.0	0.0	0.0

NOTES: To convert mean daily discharge in CFS to IM/DAY, multiply by 10.0007. STA AV based on 9 yr (1963-71) record period.

COTTONWOOD, SOUTH DAKOTA WATERSHED M-1

LOCATION: Jackson County, South Dakota; approximately 3 miles east southeast of Cottonwood, Bad Biver Basin.

AREA: 2.35 acres

80	STHL	PRECIP	HOITATION	AND BUNO	PP (inche	s)		COTTO	NWOOD, SO	OUTH DA	TAW ATO	ERSHED	8-1		
		Jan	Feb	Bar	Apr	na y	Jun	Jul	Aug	Sep	0ct	Nov	Dec		Annual
	P	0.68	1.27	0.27	3.71	3.50	1.24	0.53	1.57	2.83	1.91	0.66	0.1	4	18.31
1971	Q	0.032	0.301	0.173	0.0	0.082	0.0	0.0	0.0	0.0	0.014	0.0	0.0		0.601
STA AV	P	0.33	0.38	0.57	2.15	2.68	3.40	1.66	1.29	1.46	0.67	0.32	0.3	9	15.31
	Q	0-004	0.033	0.350	0.0	0.159	0.208	0.009	0.002	0.0	0.002	0.0	0.0		0.766
	ANNU	JAL MAXI	UM DISC	HARGE (in	o/hr) AND	HAXIHUM	AOTARE	S OF RUNO	PP (inche	s) FOR	SELECTE	D TIBE	INTERV	ALS	
	ANNU	Maxia	ian irge	1 Hour	2	lours	aximum 6 Ho	Volume fo	r Selecte	d Time	Interva:	1 2 D	ays	8	Days
1971	ANNU.	Maxi	num arge Rate		L. Date	lours Vol.	aximum 6 Ho Date	Volume fo	r Selecte 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.
1971	ANNE	Maxia Discha Date	num arge Rate	1 Hour Date Vol	L. Date	Hours Vol.	aximum 6 Ho Date 2-11	Volume fo urs 1 Vol. Da	r Selecte 2 Hours te Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Date	ays Vol.	8 Date	Vol.

DOTES: Watershed conditions: 100% moderately grazed rangeland. Vegetative cover in late July was 1723 lbs./acre (oven-dry weight). For map of watershed, see Bydrologic Data for Experimental Agricultural Watersheds in the mitted States, 1956, 1958 Hisc. Pub. 1216, p. 72.5-7. Arithmetic seam of rain gages EM-1, EM-2, EM-3 and EM-4. Precipitation and runoff records began January 1953. Precipitation and runoff STA AV based on 9 yr record period. For long-time precipitation records, see National Weather Service records at Cottonwood, Sont Dakota.

Day	Ja max	n min	Pe max		Ha max		nax		Ha x		Ju max		Ju max			ng min	Se max		Dax			ov min		ec mi
1	40	15	15	-4	36	19	45	24	64	36	67	49	88	45	86	43	96	63	58	48	42	17	36	
2	32	6	25	4	29	5	50	19	66	30	77	51	93	59	95	39	104	60	69	42	47	31	43	
3	27	2	15	4	43	0	52	22	79	37	80	50	91	61	89	49	103	62	64	43	43	24	41	2
4		-2		-13		19	#6	26	76		81	63	91	65	95	59	84	52	74	36	64		44.0	1
5	7	-8	15	-2	35	22	51	14	66	44	81	53	92	46	95	58	63	51	74	40	60	26	40	1
6		-14	13		31	14	72	20	66	33	80	48	96	74	95	57	89	46	78	41	25	10	38	1
7		-16		-26	33	6	86	27	62	32	68	51	91	60	95	64	81	53	74	38	48	10	36	1
8	38	4		-12	35	12	64	48	76	38	76	51	90	60	99	65	68	53	61	33	54	4	14	
9		11		-12	43	18	74	29	74	50	81	51	95	60	102	59	79	44	67	26	64	19	43	
10	12	-10	43	15	48	25	87	25	74	43	85	50	96	48	102	58	82	46	82	30	67	22	40	
11	0	-12	43	16	44	26	83	31	61	38	84	60	84	47	92	47	91	51	73	42	66	26	31	_
12		-9	38	19	60	27	59	28	71	35	85	57	88	47	100	56	88	51	65	53	66	23	17	-1
13	11	-6	48	22	68	28	64	22	78	38	80	50	89	62	96	56	93	43	76	27	56	28	18	-
14		-11	47		45	31	78	24	78	47	84	50	91	54	94	54	92	40	67	42	62		35	
15	11	-19	51	25	43	29	87	30	71	45	84	62	94	48	97	58	65	32	49	43	51	21	34	
16	38	-1	48	29	60	32	79	42	84	39	84	57	94	49	96	65	61	30	44	36	40	31	34	
17	37	12	48	27	40	23	75	37	65	45	83	59	96	49	101	66	59	32	50	32	36	28	34	
18	20	3	38	22	37	27	75	54	60	39	91	58	99	49	100	63	59	35	62	45	31		42	
19		-13	30	0	35	20	74	46	60	37	87	58	87	72	92	57	67	32	63	34	43	16	33	2
20	44	6	28	10	56	15	61	57	71	28	83	55	94	48	97	53	70	33	67	38	50	35	37	1
21	38	10	24	-4	33	15	58	44	75	44	88	55	101	48	101	52	6.6	38	69	30	44	23	34	
22		-11	28	ц	29	8	51	44	75	54	85	53	95	60	103	55	61	35	60	37	50	27	37	1
23	42	4	37	5	28	17	52	40	60	42	94	54	92	53	100	56	71	29	70	29	48	24	47	1
24	42	7	43	8	38	20	65	31	66	36	93	54	99	64	86	44	78	39	75	45	44	24	40	2
25	42	7	47	29	51	20	49	35	66	36	93	60	91	55	92	46	84	47	64	40	33	20	39	
26	21	3	34	21	68	22	44	31	65	40	97	68	79	40	91	53	81	50	73	33	43	27	5	-
27	42	9	33	5	65	42	47	32	72	43	95	66	82	H H	94	56	72	57	71	34	36	22	26	-
28	43	14	35	1	55	33	55	27	78	46	94	52	76	38	93	60	65	42	36	21	34	23	41	
29	47	12			64	24	66	37	78	56	81	65	76	40	100	69	77	42	26	20	29	21	35	
30 31	14 12	-15 2			75 58	23 30	64	39	66 63	56 50	81	48	84	34	B6	64	/1	49	21	12	32	21	35	1
31 													93	69	74	60			42	16			45	'
-	26	ō	32	8		21	64	33		41	84		91	53	95	56		45		35		2.2	35	
NA Va A	12 32		20 36	. 2	33 45	- 6	48	. 3	55	- 6	69	.7	71	- 9	75	. 5	61	0.0	48	8.6	34	1.7	20)_4

NOTES: Temperature data from U.S. Weather Station records at Cottonwood, South Dakota for 24 hour period ending at 1700. STA NV based on 62 yr (1910-71) record period.

197	D.	ILY PRECI	PITATION	(inches)			COTTONWOOD, SOUTH DAKOTA WATERSHED M-1							
Day	Jan	Peb	Bar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0		
2	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0		
3	0.0	0.205	0.0	0.045	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	0.0	0.0	0.0	0.0	0.0	0.0	015	0_0	2.17	0.0	0.0	0.0		
5	0.0	0.028	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0		
6	0.0	0.0	0.0	0.0	0.0	0.14	0.07	0.0	0.0	0.0	0.0	0.02		
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.12		
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0		
9	0.025	0.0	0.0	0.0	0.03	0.08	0.0	0.0	0.0	0.0	0.0	0.0		
10	0.015	0.045	0.0	0.0	0.54	0.10	0.0	0.0	0.0	0.0	0.0	0.0		
11	0.055	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0		
12	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.045	0.0		
15	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.02	0.045	0.0		
16	0.0	0.0	0.0	0.0	0.12	0.13	0.0	0.0	0.0	0.15	0.235	0.0		
17	0.21S	0.0	0.135	0.23	0.0	0.0	0.07	0.0	0.0	1.13	0.0	0.0		
18	0.0	0.345	0.0	0.06	0.0	0.0	0.0	0.14	0.06	0.11	0.0	0.0		
19	0.0	0.0	0.0	1.93	0.0	0.0	0.0	0.0	0.0	0.0	0.035	0.0		
20	0.085	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0		
21	0.0	0.0	0.038	0.11	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0		
22	0.0	0.0	0.035	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
23	0.0	0.0	0.0	0.0	1.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
24	0.0	0_0	0_0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
25	0_0	0.0	0.0	0.04	0.0	0.32	0.24	0.0	0.0	0.0	0.125	0.0		
26	0.0	0.67s	0.05S	0.53	0.0	0.09	0.0	0.0	0.0	0.0	0.035	0.0		
27	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.115	0.0		
28	0.0	00	0.035	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.018	0.0		
29	0.065		0.0	0.04	0.47	0.09	0.0	0.0	0.0	0.115	0.03S	0.0		
30	0.165		0.0	0.0	0.71	0.0	0.0	1.25	0.0	0.035	0.025	0.0		
31	0.065		0.0		0.0		0.0	0.0		0.0		0.0		
TAL	0.68	1.27	0.27	3.71	3.50	1.24	0.53	1.57	2.83	1.91	0.66	0.14		
A AV	0.33	0.38	0.57	2.15	2.68	3.40	1.66	1.29	1.46	0.67	0.32	0.39		

NOTES: Arithmetic mean of rain gages RH-1, RH-2, RH-3 and RH-4. STA AV based on 9 yr (1963-71) record period.

1971 HEAN DAILY DISCHARGE (cfs)							COTTONBOOD, SOUTH DAKOTA WATERSHED M-1							
Da y	Jan	Peb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0		
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6	0.0	0.0	0.0	0.0	0_0	0.0	0_0	0.0	0.0	0.0	0.0	0.0		
7	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0		
8	00	0.0	0.0	0.0	0.0	0_0	0.0	*0.0	0.0	0.0	0.0	0.0		
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10	0.0	0.0	0.011	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0		
11	0.0	0.012	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
12	0.0	0.005	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
13	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14	0.0	0.001	0.0	0.0	0_0	0_0	0.0	0.0	0.0	0.0	0_0	0.0		
15	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0		
18	0_0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
21	00	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0		
22	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
23	0.0	0.0	0.0	0.0	0.004	0.0	0_0	0.0	0.0	0.0	0.0	0.0		
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
25	0.0	0.0	0.0	0.0	0.0	00	0_0	0.0	0.0	0.0	0.0	0.0		
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
27	0.0	0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0		
28	0.0	0-0	0.0	0.0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0		
29	0.003		0.0	0_0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
30	0.0		0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0		
H	0.0001	0.0011	0.0005	0.0	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
HES	0.032	0.301	0.173	0.0	0.082	0.0	0.0	0.0	0.0	0.014	0.0	0.0		
AV	0.004	0.033	0.350	0.0	0.159	0.208	0.009	0.002	0.0	9.002	0.0	0.0		

NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 10.1283. STA AV based on 9 yr (1963-71) record period.

ABOSKIE, BORTH CAROLINA WATERSHED W-A1

LOCATION: Hertford, Bertie, and Northampton Counties, North Carolina; approximately 3/4 mile southwest of Ahoskie; Chowan River Basin.

AREA: 36480.00 acres 57.00 sq. miles

BC	NTHL	PRECIP	ITATION	AND B	UNOFF	(inche:	s)			AHOSKI	E, NOB	TH CAR	OLIBA WA	TERSBED	W-A1		
		Jan	Peb	Har	A	P.	Hay	Jun	Jul	Àt	ıg	Sep	Oct	Nov	Dec	2	nnual
1971	P Q	3-81 1-762	5.10 4.778	3.7 2.5		42 862	3.95 0.292	2.21 0.211	3. 83 0. 19			5.42 0.446	7.69 5.995	1.20 0.685	1.14		7.96 0.330
STA AV	P Q	3.31 1.851	3.55 2.766			,44 ,365	3.84 0.866	4.28 0.753	589 116			3.21 0.339	3,23 1,299	1.63 0.286	2.6° 0.8		2.15 5.471
	ABNU	AL MAXI Maxi Disch		CHARGE 1 H			MAXIMUM	daximum	Volume	for S	electe	d Time	SELECTI Interva	1	INTERV.		 a y s
		Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol-	Date	Vol.	Date	Vol.
1971		2-13	0.030	2-13	0.030	2-13	0.060	2-13	0.180	2-13	0.350	2-13	0.680	10-23	1.170	9-30	2.650
1971		2-13	0.030	2-13	0.030		0.060					2-13	0.680	10-23	1.170	9-30	2.650

NOTES: Watershed conditions: Woodland, 65%; row crops, 30%; pasture, 2%; roads, urban, and homesites, 3%. For map of watershed, see Sprincipolic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA disc. Pub. 1216, p. 75.1-8. Records of precipitation began in 1964. Records of runoff began in 1955. STAA Woosputed on 1965-71 data. Precipitation Thiessen weighted using 10 gages. For long-time precipitation records, see Mational Weather Service records at Scotland Sect, North Carolina.

197	1 DA	ILY	AIR T	EMPE	BATUR	E (d	egree	s P)						OSKI	E, NO	ETH	CAROI	INA	WATE	SHEI	W-A1	!		
Day	Ja max		Pe max		Na max		aar mar		Вa	y	Ju max	n	Jυ		Au mar		Se max		Day.		No.		De max	
1	45	25	34	14	68	45	72	32	70	34	86	55	90	70	87	65	86	65	76	68	84	58	50	23
2	52	18	32	8	59	40	75	60	76	45	85	60	87	68	89	60	84	57	75	64	81	61	44	22
3	55	21	36	19	49	41	65	38	74	43	86	59	85	63	90	67	85	59	73	65	76	63	37	25
5	67 70	38 55	35 65	25 30	52 56	27 23	74 66	32 38	68 78	36 39	91 90	63 63	84 86	58 55	89 89	67 66	88 89	60 61	76 84	64 55	70 63	37 30	51 53	28 30
6	58	36	64	28	64	32	62	42	86	57	93	66	89	66	83	62	88	64	82	63	66	47	69	35
7	42	32	64	28	64	42	45	34	82	54	95	69	87	66	86	59	87	59	79	53	61	42	72	55
8	39	24	64	35	55	38	65	31	82	65	95	65	90	63	88	55	83	60	70	40	53	22	68	45
9 10	32 36	22 28	54 36	26 16	51 58	24 23	76 75	36 50	81 75	52 44	85 85	66 58	91 89	64 67	90 90	58 60	86 89	64 68	77 73	44 58	56 61	35 36	56 72	4
11	52	32	49	17	60	34	69	30	80	44	84	51	92	68	89	65	87	68	69	41	70	31	76	51
12	52	28	65	23	68	28	81	35	82	53	86	55	85	62	87	66	83	66	77	43	76	45	74	53
13	51 61	30 35	63 41	36 25	74 76	46 44	86 85	42 53	81 78	63 53	85	63	84 91	60	83 85	67	81 80	61 57	79	52	65	44	72	5
15	59	38	55	21	77	BR	65	30	75	48	86 86	64	90	63	90	61	85	54	82 82	49	72 74	48 44	70 75	36 50
16	42	24	53	26	71	47	74	38	70	58	75	63	88	64	87	65	BR	BR	79	53	64	54	78	62
17 18	46 39	23	60 67	21	69 53	37 22	78 76	37 46	82	49	78	59	90	66	78	65	88	54	77	53	68	33	76	50
19	32	19	74	35	65	34	80	40	90	52 53	84	55 63	93 92	68	84 89	67 67	86 NE	64 HR	70	NR 51	75 71	40	57 52	2!
20	36	13	70	50	65	BB	80	42	90	59	87	64	86	67	90	68	88	60	70	62	68	39	62	40
21	51	13	69	45	56	HB	84	43	88	58	91	62	87	67	91	68	87	62	78	61	57	34	66	52
22	48 58	39 38	73	47 52	69	HR	78	56	75	49	90	63	83	56	90	64	75	60	72	62	44	33	59	35
24	51	28	68 56	28	66 50	47 26	67 73	32 42	75 78	42 49	85 88	64	83 87	55 62	87 86	67	81 80	55 59	70 80	63	52 52	18	55 68	25
25	45	33	61	30	46	19	75	33	82	68	91	65	86	69	84	53	76	48	79	64	57	28	64	31
26	65	32	70	34	45	31	81	37	85	69	92	70	87	69	82	65	79	44	75	59	51	24	67	31
27 28	44 35	19	74	56 43	44	23 25	78	39 49	86	52	93	67	85	69	75	68	80	50	75	60	55	39	73	31
28	35 46	11	/0	43	64 60	25 47	71 73	67	85 64	57 54	95 95	69 67	87 84	64	86 85	64	83 80	54 60	74	60	55	27 34	75 70	36
30	63	40			52	37	72	42	63	52	90	67	89	68	85 85	57	75	65	80	64	64 65	40	75	35
31	59	30			58	29			77	54	,,,	.,	87	70	87	57	,,	33	78	63	33		70	49
	49		58		60	34	73	41	79	52	88		88	65	86		84	59	76	57	64	39	65	39
EAN VA AS	38 51	-6 28	53		46 62	• 9 37	57 73	-2 46	65 B0		75 86	-3 61	76 89	- 2 66	74 87		71 82	- 4 58		.5 48	51 63	37		2.0 31

NOTES: Temperature data from Mational Weather Service Station records at Lewiston, North Carolina. STA AV based on 18 yr (1954-71) record period.

1971	D.	AILY PREC	IPITATION	(inches)			AHOSKIE	, NORTH	CAROLINA (ATERSHED	W-A1	
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.03	0.0	0.0	0.0	0.0	0.02	0.08	0.31	0.0	1.50	0.0	0.0
2	0.0	0.0	0.35	0.39	0.10	0.0	0.94	0.07	. 0.0	0.75	0.04	0.0
3 a	0.0	0.07	1.28	0.13	0.14	0.0	0_0	0.0	0.0	0.0	0.33	0.07
5	0.05	0.75	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.08
5	1.36	0.24	0.0	0.0	0.0	0.40	0.0	0.28	0.01	0.06	0.0	0.0
6	0_0	0.0	0.0	1.47	0.0	0.0	0.93	0.0	0.0	0.59	0.0	0.0
7	0.0	1.05	0.0	0.07	0.09	0.0	0.02	0.0	0.06	0.0	0.0	0.03
8	0.0	0.27	0 = 0	0.0	0.11	0.30	0.0	0.0	0.01	0.0	0.0	0.0
9	0.29	0.0	0.0	0.0	0.0	0_0	0.02	0.0	0.0	0.09	0.0	0.01
10	0.31	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.02	1.00	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.10	0.0	0.0	0.01
12	0.0	0_0	0_0	0.0	0.0	0.11	0.03	0.0	1-21	0.0	0.0	0.14
13	0.0	1.35	0.0	0.0	0.86	0.03	0.0	0.0	0.04	0.0	0.0	0.07
14	0.0	0_0	0.0	0_0	0.0	0.0	0.0	0_0	0.0	0.0	0.0	0.0
15	0.37	0.0	0.53	0.0	0.35	0.55	0.02	0.0	0.0	0.0	0.0	0.05
16	0.0	0.0	0.0	0.0	0.44	0.11	0.04	0.22	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.15
18	0.0	0.0	0.0	00	0_0	0.0	0.0	0.72	0.0	0.0	0.0	0.0
19	0.0	0.0	0.22	0.0	0.0	0.0	0.21	0.01	0_0	0.12	0.0	0.0
20	0_0	0.01	0.02	0.0	0.0	0.0	0.97	0.0	0.0	0.11	0.0	0.53
21	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.04	0.0	0.0	0.0
22	0.15	1,15	0.0	0.0	0.0	0.47	0.0	1.56	0.0	0.72	0.0	0.0
23	0.27	0.09	0.03	016	0.0	0.0	0.0	0.05	0.0	2.15	0.0	0.0
24	0.35	0_0	0.0	0.01	0.0	0.01	0.0	0.26	0.0	0.02	0.57	0.0
25	0.0	0.0	0.0	00	0.0	0.0	0.11	0.0	0.0	0.29	0.0	0.0
26	0.0	0.12	0.64	00	0.0	0.0	0.27	2.07	0.0	0.0	0.0	0_0
27	0.0	0.0	0.23	0.0	0.02	0.0	0-64	1.70	0.0	0.02	0.25	0.0
28	0.0	0.0	0.02	0.19	0.48	0.0	0_0	0.0	0.0	0.03	0.0	0.0
29	0.0		0.39	0.0	1.24	0.21	0.0	0.0	0.0	0.12	0.01	0.0
30	0.45		0_0	0.0	0.12	0.0	0.01	0.0	3.93	0.03	0.0	0.0
31	0.18		0.0		0.0		0.09	0.0		0.0		0.0
TOTAL	3.81	5.10	3.72	2_42	3.95	2.21	3.83	7.47	5.42	7.69	1.20	1.14
STA AV	3.31	3.55	3.38	2_44	3.84	4.28	5.89	4.79	3.21	3.23	1.63	2.61

NOTES: Precipitation values are Thiessen weighted averages of 10 gages. STA AV based on 7 yr (1965-71) record period.

197	71	MEAN DAIL	Y DISCHAR	GE (cfs)			AHOSKI	E, NORTH	CAROLINA	WATERSHED	W-A1	
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	21.00	132.00	79.00	103.00	14_00	19.00	7 10	8.30	35.00	839.00	80.00	28.00
2	22,00	85.00	72,00	76.00	13.00	13.00	13,00	6.90	26.00	906.00	66.00	24.00
3	20.00	62.00	392.00	126.00	14.00	13.00	36.00	5.70	20.00	850.00	76.00	24.00
4	18.00	127.00	786.00	114.00	13.00	11.00	13.00	5.00	17.00	589.00	101.00	23.00
5	217.00	484.00	390.00	79.00	12.00	11.00	8.60	4.80	15.00	247.00	69.00	22.00
6	357.00	395.00	208.00	433.00	12.00	13.00	8.30	5.00	13.00	248.00	52.00	22,00
7	146.00	291.00	144.00	700.00	11.00	10.00	24.00	5.00	12.00	283.00	43.00	22.00
8	93.00	767.00	104_00	344.00	12.00	9.30	17.00	4.80	11-00	130.00	36.00	22.00
9	105.00	628_00	77.00	191-00	11-00	13.00	10.00	4-50	10-00	84.00	32.00	21.00
10	121.00	280.00	62.00	125.00	10.00	10.00	8.60	4.50	9.60	185.00	30.00	20.00
11	128.00	175.00	55.00	86.00	9.60	9.30	7,60	4.30	9.30	384.00	28.00	19.00
12	101.00	133.00	49.00	63.00	9.30	8.30	10.00	4.30	38-00	200-00	26.00	18.00
13	78.00	541.00	45.00	50.00	18.00	8.30	9.00	4.10	65.00	119.00	24.00	20.00
14	64.00	702.00	43.00	41.00	18.00	8.30	7-60	4-10	34-00	78.00	22.00	24.00
15	71_00	319.00	41.00	35.00	13.00	17.00	7.10	4.10	22.00	57.00	21.00	22.00
16	113.00	192.00	89.00	31.00	27.00	15.00	6.90	4-10	17-00	43-00	20.00	21.00
17	85.00	135.00	72.00	27.00	22.00	11.00	6.40	4.10	14.00	36.00	19.00	22.00
18	68,00	104.00	57.00	24.00	16.00	10.00	6.20	6.40	13.00	30.00	18.00	24.00
19	56.00	83.00.	53.00	21.00	13.00	9.30	6.20	7.60	11.00	26.00	18.00	24.00
20	46.00	70.00	66.00	20.00	11.00	8.60	6.20	6.20	11.00	26.00	17.00	33.00
21	39.00	62.00	55.00	19.00	11.00	8.30	6.20	4.80	10.00	26.00	17.00	83.00
22	36.00	87.00	49.00	18.00	11.00	14.00	5.90	15-00	10.00	25.00	16.00	62.00
23	50.00	635,00	45.00	18,00	10.00	15.00	5.70	78.00	9.60	613.00	16-00	45.00
24	76.00	317.00	44_00	18.00	9.60	13.00	5,70	40.00	9.30	890.00	17.00	38.00
25	121.00	176.00	41-00	17.00	9.60	9.60	5.40	20.00	9.00	862.00	29.00	34.00
26	102.00	124,00	50.00	16.00	9.00	8.30	5.90	64.00	8,60	632.00	28.00	31.00
27	77.00	116.00	69.00	15.00	8.60	7.60	11,00	339.00	8.30	273.00	28-00	28.00
28	57.00	101.00	159.00	15.00	9.30	7.10	8,30	450.00	7.90	169.00	37.00	26.00
29	46.00		193.00	15.00	32.00	6.60	11.00	181.00	7.60	130.00	33.00	25.00
3.0	43.00		239.00	14.00	33.00	6.60	7-10	89.00	200.00	115.00	31.00	24.00
31	123.00		154.00		25.00		6-40	54.00		93.00		22.00
BEAN	87_10	261.54	128-45	95.13	14.42	10.78	9.59	46.41	22,77	296.39	35.00	28.16
INCHES	1.762		2.598	1.862	0.292	0.211	0.194	0.939	0.446	5.995	0.685	0.570
STA AV	1.851		2.733	1.365	0.866	0.753	1. 167	1,207	0.339	1,299	0.286	0.839

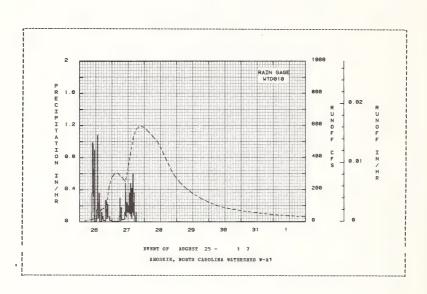
NOTES: To convert mean daily discharge in CFS to IH/DAT, multiply by 0.0006525. Runoff data furnished by U.S. Geological Survey. Records are good to fair. STA AV based on 7 yr (1965-71) record period.

1 SEI	ECTED RUNOR	F EAFBI				AHOSKIE, N				
ANTECEI Date	Rainfall (inches)	Runoff (inches)	Date No-Day	RAI Time of Day	NPALL Intensity (in/hr)	Acc.	Date Bo-Day	RUNOI Time of Day	Rate (cfs)	Acc. (inches)
	(110100)	,200000)								
			EVENT OF	AUGUST		1 7				
8-26 8-25	0.0	0.0	8-26	900 910 925 945	0.0 0.1200 0.3600 0.9900	0.0 0.02 0.11 0.44	8-25 8-26	2400 1000 1200 1400	0.0 18.000 20.000 26.000	0.0 0.0024 0.0034 0.0047
ATERSHED	CONDITIONS:			1000	0.3600	0.53		1600	77.000	0.0075
proximate	land use 6	5% in		1005 1020	0.9600 0.3200	0.61		1800 2000	87.000 109.000	0.0120 0.0173
in pastu	re, 3% misc resites, and			1030 1040 1045	0.6600 0.1200 0.3600	0.80 0.82 0.85	8-27	2200 2400 200	227.000 279.000 303.000	0.0264 0.0402 0.0560
				1050 1055	0.0 0.3600	0.85 0.88		400 600	304.000 289.000	0.0725 0.0886
				1105 1225	0.9000 0.0075	1.03		800 1000	272.000 250.000	0.1039 0.1181
				1235	0.0600	1.05		1200	340.000	0.1341
				1310 1315	0.1543 1.0800	1.14 1.23		1400 1600	437.000 533.000	0.1552 0.1816
				1330 1350	0.0800	1.25		1800 2000	575.000 593.000	0.2117
				1355	0.2400	1.29		2200	594.000	0.2758
				1405 1920	0.0600 0.2000	1.30 1.35	8-28	2400	588.000 571.000	0.3079 0.3394
				1435	0.3600 0.2400	1.44	0 20	400 600	554.000 536.000	0.3700
				1455	0.0	1.48		800	516.000	0.4282
				1505 1620	0.1800 0.0080	1.51 1.52		1000 1200	496.000 465.000	0.4557 0.4818
				1630 1700	0.1200 0.0400	1.54		1400 1600	430.000	0.5061
				1725	0.0720	1.59		1800	360.000	0.5490
				1900 1910	0.0189	1.62 1.62		2000 2200	322,000 294,000	0.5675
				1930	0.2700 0.1200	1.71	8-29	2400	270.000	0.5995
				1955	0. 1600	1.77		400	231.000	0.6266
				2005 2020	0.1200 0.0400	1.79 1.80		600 800	216.000 203.000	0.6388 0.6502
				2030 2100	0.1200 0.2200	1.82		1000 1200	190.000	0.6609
				2215	0.0640	2.01		1800	146.000	0.6971
			8-27	2400 525	0.0171	2.04 2.08	8-30	2400 600	121.000 101.000	0.7189 0.7370
				550 600	0.0720 0.3000	2.11		1200 1800	86.000 77.000	0.7523
				630	0.0800	2.20		2400	68.000	0.7774
				645 705	0.0 0.1800	2.20 2.26	8-31	1200 2400	54.000 43.000	0.7973 0.8131
				925 940	0.0300 0.1200	2.33 2.36	9- 1	1200 2400	35.000 29.000	0.8258 0.8362
				955	0.0800	2.38		2	22220	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
				1005 1020	0.4800 0.3600	2.46 2.55				
				1030 1040	0.1800	2.58				
				1045	0.2400	2.61				
				1100 1115	0.1600 0.2400	2.65 2.71				
				1145 1205	0.1200 0.2100	2.77				
				1225	0.1200	2.88				
				1240 1255	0.2000 0.1200	2.93 2.96				
				1305 1340	0.3600 0.1029	3.02 3.08				
				1400	0.4800	3.24				
				1425 1435	0.0720 0.4200	3.27 3.34				
				1450 1500	0.0400 0.4200	3.35				
				1530	0.1200	3.42				

NOTES: To convert CFS to IN/MR, multiply by 0.00002719. Precipitation is Thiessen average of 10 rain gages.

AHT	ECEDER	T COMDIT	IOES		RAT	WPALL			RUNOP	P	
Dat So-I		ainfall inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT	OP AUGUS	T 25 -	1 7					
			21221	01 40001	. 25	. ,					
				8-27	1535	0.6000	3.53				
					1600	0_1200	3.58				
					1610	0.2400	3-62				
					1630	0.0900	3.65				
					1635	0.3600	3.68				
					1700	0.0720	3.71				
					1750	0.0	3.71				
					1805	0-1200	3.74				

NOTES: To convert CFS to IB/HE, multiply by 0.00002719. Precipitation is Thiessen average of 10 rain gages.



AHOSKIE, NORTH CAROLINA WATERSHED W-A2

LOCATION: Hertford, Bertie, and Northampton Counties, North Carolina; approximately 5 miles northwest of Aulander; Chowan Biver Basin.

AREA: 15360.00 acres 24.00 sq. miles

HC	BTHL	PRECIE	MOITATION	AND RUNOI	F (inche	5)		ARC	OSKIE, NO	BTH CAR	OFINY MY	TERSHE	D W-A2		
		Jan	Feb	Har	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Annual
	P	3.89	4.85	3.47	2.44	3.66	1.82	3.77	6.73	4.75	7.68	1.16	1.1	4	45.36
1971	Q	2,228	4.526	2,180	1.687	0.252	0.162	0.177	0.756	0.230	4.479	0.546	6 0.4	79	17.702
STA AV	P	3.30	3.38	3.26	2.39	3.77	4.28	5.52	4.57	3.06	3.25	1.62	2.5	6	40.97
	Q	1.680	2.577	2.266	1.177	0.813	0.831	1.011	0.951	0.225	1.098	0.248	8 0.7	58	13.636
	ABBU			HARGE (in	/hr) AHD			ES OF RUNC					INTERV	ALS	
	ABBU	JAL MAXI Jaxi Disch	BUB				Maximum	Volume fo	or Selecte	d Time	Interva	1		ALS 8	Davs
	ABBU	daxi	mum arge	HARGE (in	2 1		Maximum 6 Ho	Volume fo	or Selecte	d Time	Interva	1 2 Da	 ays	8	Days
1971	ABBU	daxi Disch	mum arge Rate	1 Hour Date Vol	2 Date	Hours Vol.	Maximum 6 Ho Date	Volume fo	or Selecte 12 Hours te Tol.	d Time 1 Date	Interva Day Vol.	1 2 Da Date	ays Vol.	8 Date	
1971	ABBU	ďaxi Disch Date	mum arge Rate	1 Hour Date Vol	2 l . Date	Nours Vol.	Maximum 6 Hc Date	Volume for	or Selecte 12 Hours te Vol.	d Time 1 Date	Interva Day Vol.	1 2 Da Date	ays Vol.	8 Date	Vol.

NOTES: Watershed conditions: Woodland, 75%; row crops, 22%; pasture, 2%; roads 6 homesites, 1%. For map of watershed, see Bydrologic Bat a for Experimental Agricultural Watersheds in the United States, 1965, USDA Bisc. Pub. of the Control of the

1971	Di	AILY PREC	IPITATION	(inches)			AHOSKI	E, NORTH	CAROLINA 1	ATERSHED	W-A2	
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	0ct	Nov	Dec
1	0.03	0.0	0.0	0.0	0.0	0.04	0.03	0.03	0.0	1.61	0.0	0.0
2	0.0	0.0	0.51	0.38	0.10	0.0	0.83	0.03	0.0	0.65	0.05	0.0
3	0.0	0.04	1.06	0.15	0.14	0.0	0.0	0.0	0.0	0.0	0.30	0.04
4	0.04	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.10
5	1.58	0.37	0.0	0.0	0.0	0.55	0.0	0.39	0.0	0.11	0.0	0.0
6	0.0	0.0	0.0	1.49	0.0	0.0	1.08	0.0	0.0	0.59	0.0	0.0
7	0.0	1.04	0.0	0.09	0.06	0.0	0.04	0.0	0.0	0.0	0.0	0.05
8	0.0	0.35	0.0	0.0	0.10	0.21	0.0	0.0	0.0	0.0	0.0	0.0
9	0.27	0.0	0.0	0.0	00	0.0	0.04	0.0	0.0	0.09	0.0	0.01
10	0.34	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.97	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0-10	0.0	0.0	0.0
12	0_0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.95	0.0	0.0	0.13
13	0.0	1.19	0.0	0.0	0.69	0.05	0.0	0.0	0.05	0.0	0.0	0.10
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.33	0.0	0.53	0.0	0.35	0.18	0.0	0.0	0.0	0.0	0.0	0.05
16	0.0	0.0	0.0	0.0	0.38	0.08	0.06	0.17	00	0.0	0_0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.14
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0
19	0.0	0.0	0.17	0.0	0.0	0.0	0.24	0.02	0.0	010	0.0	0.0
20	0.0	0.02	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.14	0.0	0.52
21	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
22	0.14	0.97	0.0	0.0	0.0	0.23	0.0	1.35	0.0	0.76	0.0	0.0
23	0.27	0.15	0.06	0.14	0.0	0.0	0.0	0.06	0.0	2,12	0.0	0.0
24	0.35	0.0	0.0	0.0	0.0	0_0	0.0	0-16	0.0	0.0	0.57	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0
26	0.0	0.09	0.41	0.0	0.0	0.0	0.23	2,39	0.0	0.0	0.0	0.0
27	0.0	0.0	0.41	0.0	0.04	0.0	0.74	1.49	0.0	0.0	0.23	0.0
28	0.0	0.0	0.0	0.19	0.44	0.0	0.0	0.0	0.0	0.01	0.0	0.0
29	0.0		0.32	0.0	1. 25	0.36	0.0	0.0	0.0	0.10	0.01	0.0
30	0.35		0.0	0.0	0.11	0.0	0.0	0.0	3.65	0.08	0.0	0.0
31	0.19		0.0		0.0		0.17	0.0		0.0		0.0
TOTAL	3.89	4.85	3.47	2.44	3.66	1.82	3,77	6.73	4.75	7.68	1.16	1.14
STA AV	3.30	3.38	3.26	2,39	3,77	4.28	5.52	4.57	3.06	3.25	1.62	2.56

BOTZS: Precipitation values are Thiessen weighted averages of 5 gages. STA AV based on 7 yr (1965-71) record period.

19	71	BEAN DAIL	Y DISCHAE	GE (cfs)			AHOSKI	E, NORTH	CAROLINA	WATERSHED	W-A2	
Day	Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14.00	52.00	30.00	35.00	4.20	5.90	2.80	1.40	9.80	350.00	25.00	10.00
2	12.00	32,00	32.00	26.00	4.50	4.50	2.70	2-00	6.60	286.00	21.00	8.20
3	10.00	22.00	205.00	56.00	5.10	3.50	16.00	1.70	4,20	182.00	27.00	7.50
4	10.00	88.00	270.00	44.00	5.10	3.70	2.50	1.30	3.20	82.00	30.00	8.00
5	215.00	205.00	102.00	29.00	4.70	10.00	1.80	1.50	2.70	50.00	21.00	8.30
6	159.00	139.00	66.00	279.00	3.20	3.30	5.40	2.20	2,50	91.00	16.00	8.60
7	73.00	151.00	52.00	209.00	3.70	2.50	32.00	1.50	2-40	71.00	14.00	10.00
8	52.00	431.00	38.00	102.00	3.70	6.30	3.50	0.91	2.20	36.00	12.00	9,20
9	64.00	201.00	28.00	64.00	3.30	4-20	2.30	0.62	2.00	20.00	10.00	8.00
10	64.00	92.00	21.00	45.00	2.80	1.40	2.00	0.51	1.70	65.00	9.20	7.80
11	67.00	64.00	19.00	31,00	2.50	1,30	1.80	0.43	1.50	100.00	8.30	6.60
12	53.00	52.00	15.00	22.00	2.30	1.50	3.30	0.47	6.90	45,00	7.50	6.60
13	42.00	272.00	12.00	17.00	8.00	2.20	2.00	0.51	15.00	34-00	6.90	9.50
14	34.00	187.00	9.20	15.00	4.00	2.00	1.80	0.51	6.60	23.00	6.30	8.00
15	45.00	92.00	16.00	12.00	2.30	2.00	1.50	0.55	2.70	18.00	5.90	7.80
16	52.00	64.00	40.00	10.00	10.00	2.20	1_10	0.55	1,50	14.00	6.30	8.00
17	40.00	49.00	27-00	8.80	6.30	2.20	1.00	4.90	1.10	12.00	6.30	8.60
18	32.00	40.00	17.00	8.00	3.00	2.00	0.82	2.90	1.00	11.00	5.90	9.50
19	24.00	32.00	14_00	7.60	2.30	1.90	0.66	2.70	0.83	9.50	6.30	7.80
20	18.00	28.00	20.00	11,00	2.30	2.00	0.83	1.20	0.74	9.80	7.50	19.00
21	13.00	26.00	16.00	680	2.80	2.30	1.00	0.62	0.66	10.00	7-20	27.00
22	13.00	54.00	13.00	6.30	2.80	3.50	1.20	1.30	0.66	11.00	6.30	20.00
23	33.00	253.00	11.00	6.30	2.80	8.00	1.20	27.00	0.66	429.00	5.20	15.00
24	42.00	96.00	9.60	6.80	3.70	4.20	1.70	8.00	0.66	468.00	7.50	13.00
25	60.00	63.00	8.80	5.90	4.20	3.70	2.00	1.80	0.66	196.00	14.00	11.00
26	47.00	48.00	15.00	5.50	3.70	3.30	2.00	69.00	0.66	85.00	10.00	9.80
27	33.00	48.00	32.00	5.10	4.50	3.50	2.40	134.00	0.66	53.00	11.00	8.30
28	22.00	40.00	60.00	5.50	7.20	3.00	12.00	124.00	0.66	41.00	14.00	7.80
29	16.00		76.00	4.70	24.00	3.00	2.70	52.00	0.66	32.00	13.00	6.90
30	17.00		80.00	4-20	14_00	5.50	1.30	26.00	67.00	28.00	12.00	6.90
31	62.00		52.00		9.60		1.00	16.00		28.00		6.60
EAN	46.39	104.32	45.37	36.28	5.24	3.49	3.69	1574	4.94	93,24	11.75	9,98
NCHES	2.228	4.526	2.180	1.687	0.252	0.162	0.177	0.756	0.230	4.479	0.546	0.479
TA AV	1.680	2.577	2,266	1.177	0.813	0.831	1.011	0.951	0.225	1.098	0.248	0.758

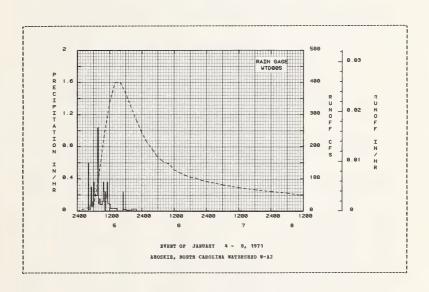
NOTES: To convert mean daily discharge in CFS to IN/DAY, multiply by 0.0015496. Runoff data furnished by U.S. Geological Survey. Records are good. STA AV based on 7 yr (1965-71) record period.

71 SELECTED	RUNOF	P EVENT				AHOSKIE, B	ORTH CAR	OLINA WAT	ERSHED W-A2	
ANTECEDENT C					INPALL			RUNO	P	
Date Rainf		Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.
Ho-Day (inch		(inches)			(in/hr)		Ho-Day			(inches)
			B₩B	NT OF JA		8, 1971				
RG WTD0				RG WTD						
1-5 0.	0		1- 5	255	0_0	0.0	1- 4	2400	0.0	0.0
1- 4		0.0		405	0.0	0.0	1- 5	600	15.800	0.0031
				410	0.6000	0.05		800	109.000	0.0112
				445	0.0171	0.06		1000	236.000	0.0336
				510	0.0720	0.09		1200	340.000	0.0709
WATERSHED CONDIT	IONS:			310	0720					
pproximate land		5% in		520	0.3000	0.14		1400	400,000	0-1187
oodland: 22% in				540	0.0600	0.16		1600	400.000	0. 1704
% in pasture: 1%				545	0.1200	0.10		1800	365,000	0.2198
» in pasture; (» roads and homesi		•		555	0.1200	0.17		2000	322.000	0.2642
roads and homesi	tes).			605		0.18			281.198	0.2042
				605	0.0600	0.19		2200	201.198	0.3031
				615	0.3600	0.25		2400	242.500	0.3369
				730	0.1920	0.49	1- 6	200	212-200	0.3663
				745	1.0400	0.75		400	190.000	0.3923
				750	0.6000	0.80		600	166,900	0.4153
				810	0.0900	0.83		800	152.900	0.4359
				010	0.0900	0.03		800	132. 900	0.4333
				830	0.1500	0.88		1000	146,600	0.4552
				915	0.0800	0.94		1200	127,700	0.4729
				930	0.1200	0.97		1400	119,200	0.4888
				940	0-1200	0.99		1600	111, 400	0.5037
				945	0.3600	1.02		1800	104.800	0.5177
				,43	0. 3000	1.02		.000	,04.000	0.5777
				1000	0.2400	1.08		2000	102.500	0.5311
				1015	0.1200	1, 11		2200	95.500	0.5439
				1025	0.0	1.11		2400	91.500	0.5560
				1030	0.2400	1-13	1- 7	600	81.000	0.5894
				1105	0-1714	1. 23		1200	72,000	0.6190
					0.1714	.,23		.200	.22000	
				1115	0.3600	1.29		1800	65,600	0.6457
				1200	0.0933	1.36		2400	60.000	0.6700
				1215	0.0800	1.38	1- 8	600	55-600	0.6924
				1445	0.0320	1.46		1200	47. 200	0.7123
				1700	0.0320	1.46		2000	47.600	0.7368

NOTES: To convert CFS to IN/HE, multiply by 0.00006457. Precipitation is Thiessen average of 5 rain gages.

į	1971 SELECTED RUNOPP EVENT				AHOSKIE,	WORTH CAR	OLINA WATE	RSHED W-A	2	1
- 1	ANTECEDENT CONDITIONS		RAI	WPALL			RUNOF			i
i	Date Rainfall Runoff	Date	Time	Intensity	Acc.	Date	Time	Rate	Acc.	1
- !	Mo-Day (inches) (inches)	Mo-Day	of Day	(in/hr)	(inches)	Ho-Day	of Day	(cfs)	(inches)	-!
										i
i		EVENT OF	JAHUARY	4 - 8,	1971 (CO	NTINUBD)				1
أو		1- 5	1705	0.2400	1.48					!
1		1- 5	1815	0.2400	1.50					i.
i			2015	0.0100	1.52					i
1			2260	0.0229	1.56					.1

HOTES: To convert CFS to IB/HR, multiply by 0.00006457. Precipitation is Thiessen average of 5 rain gages.



AHOSKIE, NORTH CAROLINA WATERSHED W-A3

LOCATION: Northampton County, North Carolina, approximately 3 miles southeast of Rich Square; Chowan River Basin.

AREA: 2368.00 acres 3.70 sq. miles

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	0ct	HOW	Dec	Annual
1971	P Q	3.81 1.329	4.54 4.248	3.45 1.824	2.54 1.484	3.48 0.031	1.69 0.010	4.28 0.010	7.71 0.120	4.63 0.032	8.11 2.555	1.17 0.281	1.03 0.185	46.44 12.108
TA AV	P	3.38	3.43	3. 19	2.49	3.82	4.31	5.39	4.85	3.10	3.41	1.65	2.65	41.68
		1.133	2.105	1.743	1.031	0.682	0.377	0.793	0.637	0.161	0.624	0.066	0.530	9,881
	ANN	AL HAXI	MUM DISC		1.031 n/hr) AND	MAXIMU	VOLUME	S OF RUNO	PF (inch	es) FOR	SELECTE	D TIME I		9,881
	ANN		MUM DISC	HARGE (i	n/hr) AND	MAXIMU	VOLUME Saxiaum 6 Ho	S OF RUNO Volume fo	PF (inche	es) FOR	SELECTE	D TIME I	NTERVALS	

NOTES: Enternhed conditions: Soudhand, 88%; for comps, 10%; homesites, pastures, and reads, 23. For may of statement, see Hydrologic Data for Experiental Layricaltural Materiades in the United States, 1965, 1951 Misc. Pub. 1216, p. 75.1-8. Records of precipitation and rumoff began in 1964. STA AV computed on 1965-71 data. Precipitation Thiessee weighted using 2 quage. For temperature information, see table of maximum and minimum values included with data for Watershed 75.001. For long-time precipitation records, see National Weather Service records at Scotland Neck, Morth Carolina.

1971	Di	ILY PREC	PITATION	(inches)			AHOSKIE	, MORTH C	AROLINA W.	ATERSHED I	-A3	
Day	Jan	Peb	Mar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	1.67	0.0	0.0
2	0.0	0.0	0.85	0.44	0.08	0.0	0.54	0.0	0.0	0.73	0.04	0.0
3	0.0	0.08	0.74	0.13	0.08	0.0	0.0	0.0	0.0	0.0	0.30	0.0
4	0.0	0.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.07
5	1.78	0.32	0.0	0.0	0.0	0.63	0.0	0.72	0.0	0.03	0.0	0.0
6	0.0	0.0	0.0	1.54	0.0	0.0	1.52	0.0	0.0	0.63	0.0	0.0
7	0.0	1.28	0.0	0.04	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.05
8	0.0	0.21	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.33	0.0	0_0	0.0	0.0	0.0	0.14	0.0	0.0	0.07	0.0	0.04
10	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.12	0.0	0.0	0.0
12	0 - 0	0_0	0.0	0.0	0.0	0.14	0.02	0.0	1.04	0.0	0.0	0.13
13	0.0	1.01	0.0	0.0	0.92	0.09	0.0	0.0	0.0	0.0	0.0	0.10
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.25	0.0	0.55	0.0	0.27	0.11	0.0	0.0	0.0	0.0	0.0	0.03
16	0.0	0_0	0.0	0_0	0.40	0.0	0.13	0.42	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0
19	0.0	0.0	0.11	0.0	0.0	0.0	0.20	0.0	0.0	0.09	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.44
21	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
22	0.12	0.82	0.0	0.0	0.0	0.30	0.0	1.86	0.0	0.71	0.0	0.0
23	0.21	0.03	0.09	0.16	0.0	0.0	0.0	0.04	0.0	2.32	0.0	0.0
24	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.50	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0
26	0.0	0.10	0.56	0.0	0.0	0.0	0.22	2.64	0.0	0.0	0.0	0.0
27	0.0	0.0	0.28	0.0	0.04	0.0	0.95	1.29	0.0	0.0	0.30	0.0
28	0.0	0.0	0.0	0.23	0.46	0_0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.27	0.0	0.99	0.38	0.0	0.0	0.0	0.19	0.03	0.0
30	0.36		0.0	0.0	0.16	0.0	0.0	0.0	3.47	0.08	0.0	0.0
31	0.17		0.0		0.0		0.27	0.0		0.0		0.0
TOTAL	3.81	4.54	3.45	2.54	3,48	1.69	4.28	7.71	4,63	8.11	1.17	1.03
STA AV	3.38	3.43	3.19	2.49	3.82	9.31	5, 39	4.85	3.10	3.41	1.65	2.65

NOTES: Precipitation values are Thiessen weighted averages of 2 gages. STA AV based on 7 yr (1965-71) record period.

19	71	MEAN DAIL	Y DISCHAR	GE (cfs)				NORTH	CAROLINA	WATERSHED	W-A3	
Day	Jan	Peb	Har	Apr	Bay	Jun	Jul.	Aug	Sep	0ct	Nov	Dec
1	0.120	4.800	4.600	3.900	0.070	0.060	0.020	0.060	0.050	20.000	3.900	0.300
2	0.080	2.800	3.900	3.000	0.060	0.030	0.040	0.020	0.020	20.000	2.900	0.220
3	0.080	2,200	21.000	6.800	0.080	0.020	0.050	0.020	0.020	15.000	3.300	0.200
4	0.090	8.600	32.000	5.200	0.060	0.020	0.020	0.020	0.020	8_000	3.100	0.220
5	12.000	25.000	18.000	3.300	0.050	0.070	0.020	0.080	0.020	4.000	2.100	0.240
6	11_000	22.000	13.000	35.000	0.040	0.020	0.070	0.040	0.020	9.900	1.300	0.240
7	7.200	32.000	9.800	31_000	0.040	0-020	0.130	0.020	0.020	8_600	0.920	0-240
8	5.700	56.000	6.300	20.000	0.060	0.020	0.040	0.020	0.020	3.800	0.700	0.270
9	6.500	30.000	4.600	13.000	0.040	0.030	0.020	0.020	0.020	1.300	0.610	0.240
10	7.200	18.000	3.300	8.200	0.030	0.030	0.020	0.020	0.020	7.000	0.530	0.220
11	8_200	13.000	3.000	5.200	0.040	0.030	0.020	0.020	0.020	12.000	0.510	0.200
12	6,300	10.000	2,400	3.500	0.040	0.040	0.020	0.020	0.080	7.000	0.480	0.200
13	5.000	30-000	2,200	2.400	0.270	0.040	0.020	0.020	0.130	3.700	0.460	0.340
14	4.000	25.000	1.800	1.800	0.160	0.040	0.020	0.020	0.040	1.700	0.420	0.300
15	4.800	16.000	2.300	1.200	0.090	0.040	0.020	0.020	0.020	0.680	0.410	0.300
16	5.400	12.000	5.200	0.910	0.630	0.040	0.020	0.020	0.020	0.400	0.410	0.300
17	4-200	8. 200	3.500	0.700	0.380	0.040	0.020	0.050	0.020	0.310	0.400	0.340
18	3.300	5.800	2,200	0.430	0.160	0.040	0.020	0.040	0.020	0.250	0.390	0.380
19	2-600	4 - 600	1.900	0.340	0.090	0.040	0_020	0.050	0.020	0.210	0.380	0.270
20	1.800	3.500	2.200	0.270	0.070	0.040	0.020	0.020	0.020	0.210	0.380	1.400
21	1_400	2.900	1.600	0.220	0.060	0.030	0.020	0.020	0.020	0_220	0.390	2.600
22	1.500	10.000	1.300	0.180	0.050	0.030	0.020	0-110	0.020	0.210	0.390	1.800
23	3,500	33.000	1.100	0.160	0.050	0.050	0.020	0.280	0.020	43.000	0.400	1.400
24	4.200	17.000	0.780	0.200	0.030	0.020	0.020	0.060	0.020	26.000	0.410	1.100
25	6.100	10.000	0.560	0.150	0.030	0.020	0.020	0.030	0.020	17.000	0.450	1.000
26	5.000	7.000	0.630	0.120	0.030	0.020	0.020	2.500	0.020	12.000	0.420	0.910
27	3.200	7-400	2.100	0.090	0.030	0.020	0.040	5.500	0.020	9.000	0.440	0.780
28	2-200	5.800	5.900	0-120	0.040	0.020	0.090	2-400	0.020	7.000	0-500	0.700
29	1.800		8.200	0.120	0.100	0.020	0.030	0.280	0.030	5.600	0.490	0.630
30	2.100		10.000	0.090	0.100	0.020	0.020	0.100	2.400	5.000	0.450	0.560
31	5.700		6.100		0.070		0.020	0.070		5.100		0.490
SAN	4.267	15.093	5,854	4.920	0.098	0.032	0.031	0.385	0.107	8.200	0.931	0.59
CHES	1.329	4,248	1.824	1,484	0.031	0.010	0.010	0.120	0.032		0.281	0.18
VA AV	1, 133	2,105	1-743	1.031	0.682	0.377	0793	0.637	0.161		0.066	0.53

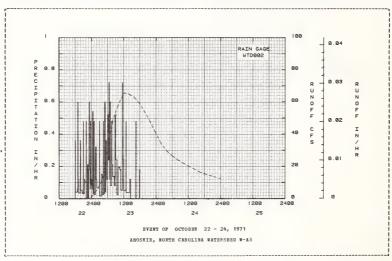
NOTES: To convert mean daily discharge in CFS to IM/DAT, multiply by 0.0100514. Runoff data furnished by U.S. Geological Survey. Records are good to fair. STA AV based on 7 yr (1965-71) record period.

	LECTED RUNO					HOSKIE, NO				
	DEST COMDI				ENPALL			RUBOF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)			Intensity (in/hr)				Rate (cfs)	Acc. (inches)
			BA B	NT OF OC	TOBER 22 -	24, 1971				
	RG WTDOO2			RG WTD	102					
10-22	0.0	0.0	10-22	1755	0.0	0.0	10-22	1200	0.0	0_0
				1800	0.3600	0.03		1600	0.200	0.0002
				1845	0.0400	0.06		2200	0-300	0.0008
				1855	0.0600	0.07		2400	0.900	0.0013
				1900	0.5999	0.12	10-23	200	5.300	0.0039
	CONDITIONS:									
	e land use,			1915	0.1200	0.15		400	11.000	0.0107
odland;	10% in row o	crops;		1950	0.0343	0.17		600	30.100	0.0279
	homesites,	pasture,		2000	0.3600	0.23		800	49.000	0.0610
l roads).				2035	0.0514	0.26		1000	58,400	0.1060
				2055	0.0300	0.27		1200	65,600	0.1579
				2100	0.4799	0.31		1400	64.800	0.2125
				2120	0.0300	0.32		1600	62.800	0.2659
				2125	0.1200	0.33		1800	58.600	0.3167
				2200	0.1029	0.39		2000	53.100	0.3635
				2205	0.4800	0.43		2200	46.900	0.4054
				2225	0.0	0.43		2400	40.200	0.4419
				2245	0.2100	0.50	10-24	200	33.700	0.4728
				2300	0.0	0.50		400	29.400	0.4992
				2310	0.1800	0.53		600	26.500	0.5226
				2315	0.5999	0.58		800	24.100	0.5438
				2330	0.2000	0.63		1000	22,000	0.5631
				2340	0.0600	0.64		1200	20.200	0.5808
				2345	0.4799	0.68		1400	18.500	0.5970
				2400	0.0800	0.70		1600	16.600	0.6117
			10-23	15	0.1200	0.73		1800	15.300	0.6251
				25	0.0600	0.74		2400	12.200	0.6597
				35	0.5400	0.83				
				55	0.0300	0.84				
				100	0.4800	0.88				
				125	0.0240	0.89				
				130	0.2400	0.91				
				145	0.3200	0.99				
				200	0.1200	1.02				
				255	0.0655	1.08				
				300	0.4800	1.12				

NOTES: To convert CFS to IN/BR, multiply by 0.00041881. Precipitation is Thiessen average of 2 rain gages.

				AHOSKIE, NORTH CAROLINA WATERSHED W-A3 RAINPALL BUNOPP							
	MM COMPTS	TORC		DAT	WDATT			THEFT			
Date lo-Day	Rainfall (inches)	Runoff (inches)	Date Ho-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Ho-Day	Time of Day	Rate (cfs)	Acc. (inches)	
			BARMA OL	OCTOBER	22 - 24,	1971 (CO	STINUED)				
			10-23	340	0.0150	1.13					
				400	0. 1500	1, 18					
				425	0.0240	1.19					
				430	0.4800	1.23					
				450	0.0300	1.24					
				505	0.6000	1.39					
				520	0.0400	1_40					
				535	0.3600	1.49					
				600	0.1200	1-54					
				615	0.5200	1.67					
				630	0.2400	1.73					
				635	0.7200	1.79					
				645	0.2400	1.83					
				655	0.1200	1.85					
				700	0.6000	1.90					
				730	0.0800	1.94					
				735	0.4800	1-98					
					0.2100	2.05					
				830	0.1371	2.13					
				845	0.0800	2.15					
				900	0.5200	2.28					
				930	0.2400	2.40					
					0.0240	2-41					
				1035	0 1950	2.54					
				1055	0.1800	2.60					
				1130	0.0514	2.63					
				1135	0.7200	2.69					
				1250		2.79					
						2.83					
					0.4800	2.87					
				1415	0.0375	2.92					
				1430	0.1200	2.95					
				1630	0.0	2.95					
				1035	0.4800	2-99					
				1750	0.0	∠.99					

HOTES: To convert CFS to IB/HR, multiply by 0.00041881. Precipitation is Thiessen average of 2 rain gages.



AHOSKIE, WORTH CAROLINA WATERSHED W-A4

LOCATION: Bertford County, North Carolina; approximately 2 miles southwest of Ahoskie; Chowan River Basin.

AREA: 1664.00 acres 2.60 sq. miles

80	HTHL	PRECIP	HOITATION	AND RUNO	FF (inche	s)		AHOSKI	E, HORT	H CAROL	INA WATE	RSHED W-	-A4	
		Jan	Peb	Bar	Apr	Hay	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	P Q	4-47 0-602	5.26 2.643	4.40 1.630	2.82 0.885	5-14 0-222	3.63 0.133	5.89 0.144	9.95 1.303	6.08 0.857	7.18 4.534	1.19 0.315	1.24	
STA AV	P Q	3.36 0.526	3.71 1.607	3.70 1.271	2.88 0.570	4.20 0.409	3.94 0.300		5-61 1-236	3.58 0.268	3.32 1.029	1.48 0.109	2.79 0.452	
	HHA	AL MAXI	NUM DISC	HARGE (i.	(hr) AND	MAXIMUM	VOLUME	C OF DUROR	T (inch	el POP	CDY DOWN			
		Haxi Disch	arge	1 Bour	2 1	Hours	aximum 6 Ho	Volume for	Selecte	ed Time	Interva Day	1 2 Day	ys	
		Disch Date	arge Rate	1 Bour Date Vo	2 L. Date	Hours Vol.	aximum 6 Ho Date	Volume for urs 12 Vol. Dat	Selector Hours e Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Day Date V	ys Vol. 1	8 Days Date Vol.
1971		Disch	arge Rate	1 Bour Date Vo	2 L. Date	Hours Vol.	aximum 6 Ho Date	Volume for urs 12 Vol. Dat	Selector Hours e Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Day Date V	ys Vol. 1	8 Days
1971		Disch Date	arge Rate	1 Bour Date Vo	2 l. Date	Bours Vol. 0.180	aximum 6 Ho Date	Volume for urs 12 Vol. Dat	Selecte Hours e Vol.	ed Time 1 Date	Interva Day Vol.	1 2 Day Date V	ys Vol. 1	8 Days Date Vol.

BOTES: Watershed conditions: Woodland, 60%; row crops, 39%; homesites, pastures, and roads, 1%. For map of vatershed, see Bydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Misc. Pub.

Thissan worldsted mission 2 squeer. For tomperature misconstances table of surface and states, 1962, USDA with the Control of t

1971	D	ILY PREC	IPITATION	(inches)			ABOSKIE,	NORTH CA	ROLINA WA	TERSHED W	-14	
Day	Jan	Peb	Har	Apr	Нау	Jun	Ju1	Aug	Sep	Oct	Boa	Dec
1	0.08	0.0	0_0	0.0	0.0	0.0	0.24	0.79	0.0	1,34	0.0	0.0
2	0.0	0.0	0.29	0.52	0.09	0.0	1.23	0.0	0.0	0.90	0.01	0.0
3	0.0	0.09	1.37	0.19	0.13	0.0	0.0	0.0	0.0	0.0	0.41	0.07
ц	0.0	0.49	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.16
5	1.32	0.12	0.0	0.0	0.0	0.15	0.0	0.03	0.13	0.0	0.0	0.0
6	0.0	0.0	0.0	1.65	0.0	0.0	1.03	0.0	0.0	0.63	0.0	0.0
7	0.0	1.00	0.0	0.03	0.17	0.0	0.0	0.0	0.22	0_0	0.0	0.01
8	0.0	0.16	0.0	0.0	0.21	0.37	0.0	0.0	0.03	0.0	0.0	0.0
9	0.26	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.10	0.0	0.0
10	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.85	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0	0.08	0.0	0.0	0.07
12	0.0	0_0	0.0	0.0	0.0	0.18	0.17	0.0	1.05	0.0	0.0	0.08
13	00	1.68	0.0	0.0	1.37	0.01	0.0	0.0	0.02	0.0	0.0	0-14
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.46	0.0	0.65	0.0	0.44	1.10	0.06	0.0	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.0	0.76	0.11	0-17	0.07	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.22
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.54	0.0	0.0	0.0	0.0
19	0.0	0.0	0.22	0.0	0.0	0.0	0.19	0.0	0.0	0-24	0_0	0.0
20	0.0	0.0	0-11	0.0	0.0	0.0	0.08	0.0	0.0	0.08	0.0	0.48
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0_0	0.0	0.0
22	0.19	1.53	0.0	0.0	0.0	1.50	0.0	2.18	0.0	0.58	0.0	0.0
23	0.28	0.0	0.0	0.19	0.0	0.0	0.0	0.08	0.0	1.89	0.0	0.0
24	0.51	0.0	0.0	0.06	0.0	0.10	0.0	0.27	0.0	0.06	0.52	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0 19	0.0	0.0
26	0.0	0.19	0.82	0.0	0.0	0.0	0.25	2.36	0.0	0.0	0.0	0.0
27	0.0	0.0	0.19	0.0	0.0	0.0	1.58	2.40	0.0	0.02	0.25	0.0
28	0.0	0.0	0.04	0.18	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.65	0.0	1, 33	0.11	0.0	0.0	0.0	0.24	0.0	0.0
30	0.68		0.0	0.0	0.13	0.0	0.07	0.0	4.31	0.0	0.0	0.0
31	0.18		0.0		0.0		0.15	0.0		0.0		0.0
TAL	4.47	5.26	4.40	2.82	5.14	3.63	5.89	9.95	6.08	7.18	1.19	1.24
TA AV	3.36	3.71	3.70	2.88	4.20	3.94	6-58	5.61	3.58	3.32	1.48	2.79

NOTES: Precipitation values are Thiessen weighted averages of 2 gages. STA AV based on 7 yr (1965-71) record period.

197	1	MEAN DAIL	Y DISCHAE	GE (cfs)			ABOSKIE,	NORTH CA	ROLINA WA	TERSHED W	-14	
Day	Jan	Feb	Bar	Apr	Bay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0. 180	3.000	1.600	1.900	0.280	0.390	0.130	0.340	0.340	70.000	1.900	0.500
2	0. 160	1.400	1.900	1-400	0.280	0.310	1.200	0.240	0.310	41,000	1.400	0.436
3	0.160	1.000	29.000	4-900	0.280	0.280	0.570	0.180	0.280	11.000	3.400	0.43
43	0.160	8.000	19.000	2-400	0.240	0.240	0.240	0.180	0.240	5.000	2.400	0.43
5	3.000	16.000	5.600	1_600	0.240	0.280	0.210	0 180	0-240	2.800	1.200	0.43
6	3.000	7.000	3.200	18.000	0.210	0.210	0.450	0.180	0.210	8.000	1.000	0.43
7	1.300	14-000	2-700	11.000	0.210	0.210	0.570	0.180	0.210	3,600	0.780	0.50
8	0.880	18.000	1.800	5-100	0.240	0.280	0.280	0.180	0_180	1-600	0.560	0.50
9	1.700	5-500	1.300	3_000	0.210	0.240	0.180	0.180	0.160	1.000	0.500	0.50
10	2.100	3.500	1.100	1.900	0.210	0.240	0.180	0.180	0.130	16.000	0.430	0.50
11	1.800	2.400	1.100	1,200	0.180	0-240	0.180	0.180	0.130	10.000	0.430	0.43
12	1.200	1.900	0.950	1_000	0.180	0.240	0-240	0.180	2.100	3. 100	0.380	0.43
13	0.820	37,000	0.880	0.880	1.200	0.240	0.180	0.180	0.850	1.500	0.330	0.88
14	0.690	11.000	0.760	0.640	0.820	0.240	0.180	0.180	0.370	1_000	0.330	0.63
15	1.600	4.500	1.500	0.580	0.440	1.100	0.210	0.180	0.240	0.780	0.330	0.56
16	2.000	3.000	2.700	0.530	3.100	0.530	0.240	0.180	0.210	0.650	0.330	0.50
17	1.300	2.100	1.400	0.530	1.300	0.310	0.210	0.180	0-210	0.650	0.290	0.50
18	1.000	1.600	1.000	0.480	0.530	0.240	0.210	0.570	0.210	0.610	0.290	0.63
19	0.820	1.400	1.100	0.480	0.350	0180	0.240	0.210	0.210	0.610	0.250	0.50
20	0.640	1.200	1.400	0.480	0.280	0.180	0.210	0.160	0.210	0.780	0.330	1.80
21	0.580	1. 200	1,000	0.480	0.240	0180	0.160	0.160	0.210	0.710	0.290	2.30
22	0.580	5.700	0.820	0.440	0.240	0.950	0.160	5.100	0.210	1.300	0.250	1.20
23	1.100	19.000	0.690	0.440	0.210	0.880	0.160	4.600	0.210	83.000	0.250	0.88
24	1-400	4-900	0.640	0.390	0.210	0.310	0.130	1.100	0.210	19.000	0.560	0.63
25	2.800	2.800	0.580	0.350	0.210	0.180	0.160	0.410	0.210	10,000	0.500	0.63
26	1.900	2,000	0.920	0.350	0.210	0.160	0.160	11.000	0.210	8,200	0.330	0.56
27	1.200	3.400	4.800	0.310	0.210	0.110	0-610	51.000	0.210	3.500	0.770	0.50
28	0.820	2.300	6-400	0.390	0.240	0.110	1.600	10.000	0.210	2.500	0.950	0.50
29	0.690		8.600	0.350	1.500	0.110	0.340	2.100	0.210	3.000	0.700	0.43
30	0.880		6.400	0.350	0.760	0.110	0.240	0.850	51.000	3.700	0.560	0.43
31	5.600		3.100		0.690		0.210	0.530		2.400		0.43
AH	1.357	6.600	3.675	2.062	0.500	0.309	0.324	2.938	1.998	10.225	0.734	0.6
CHES	0.602	2.643	1.630	0.885	0.222	0.133	0.144	1.303	0.857	4.534	0.315	0.2
A A V	0.526	1.607	1, 271	0.570	0.409	0.300	0.627	1. 236	0.268	1.029	0.109	0.4

HOTES: To convert mean daily discharge in CPS to IB/DAY, multiply by 0.0143039. Bunoff data furnished by U.S. Geological Survey. Records are good. STA AV based on 7 yr (1965-71) record period.

3 NIM 1242 12	DENT CONDI	TORC		0.3	INPALL.		RUNOPF			
Date	Rainfall	Runoff	Date No-Day	Time	Intensity (in/hr)			Time	Rate	Acc. (inches)
			E₹E	NT OF A	UGUST 22 -	23, 1971				
	RG WTD002			RG WTD	002					
8-22	0.0	0.0	8-22	1945	0.0	0.0	8-22	2000	0.0	0.0
				1950	1.4401	0.12		2100	39.300	0.0117
				2025	0.0	0.12		2200	53.300	0.0393
				2030	1.3198	0.23		2300	29.500	0.0640
				2040	6.3004	1.28		2400	27.400	0.0810
WATERSHED	COMDITIONS	:								
pproximat	e land use,	60% in		2045	2,2797	1.47	8-23	100	26.000	0.0969
	39% in row o			2055	0.3600	1.53		200	21.800	0.1111
% misc. (homesites,	pastures,		2105	0.0600	1.54		300	17.600	0.1228
nd roads)				2110	1.6801	1.68		400	15.500	0.1327
				2120	0.3000	1.73		500	12.800	0.1411
				2125	1-3201	1_84		600	10-000	0.1479
				2130	0.5999	1.89		800	7.000	0.1580
				2135	1.4401	2.01		1000	5.100	0.1652
				2150	0.0	2.01		1200	3.600	0.1704
				2155	1.3201	2.12		1400	2.700	0.1742
				2400	0.0048	2.13		1600	2.200	0.1771
			8-23	40	0.0300	2.15		1800	1.700	0.1794
				205	0.0	2.15		2400	1.000	0.1842
				210	0.7200	2.21				

NOTES: To convert CFS to IN/HE, multiply by 0.00059599. Precipitation is Thiessen average of 2 rain gages.

